



ALS Chemex

EXCELLENCE EN ANALYSE CHIMIQUE

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

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À: **MAGPIE MINES**
340, AVENUE VICTORIA
WESTMOUNT QC H3Z 2M8

Page: 1
Finalisée date: **29-JUIN-2009**
Cette copie a fait un rapport sur
23-JUIL-2009
Compte: **MAGPIE**

CERTIFICAT VO09064338

Projet: MAGPIE

Bon de commande #:

Ce rapport s'applique aux 150 échantillons de carotte forage soumis à notre laboratoire de Val d'Or, QC, Canada le 29-JUIN-2009.

Les résultats sont transmis à:

ETIENNE FORBES

PETER H. SMITH

PRÉPARATION ÉCHANTILLONS

| CODE ALS | DESCRIPTION |
|----------|---|
| WEI-21 | Poids échantillon reçu |
| LOG-22 | Entrée échantillon - Reçu sans code barre |
| CRU-31 | Granulation - 70 % <2 mm |
| SPL-21 | Échant. fractionné - div. riffles |
| PUL-31 | Pulvérisé à 85 % <75 um |
| LOG-24 | Entrée pulpe - Reçu sans code barre |

PROCÉDURES ANALYTIQUES

| CODE ALS | DESCRIPTION | INSTRUMENT |
|-----------|---------------------------------|------------|
| TOT-ICP06 | | ICP-AES |
| ME-ICP06 | Roche entière - ICP-AES | ICP-AES |
| OA-GRA05 | Perte par calcination à 1 000 C | WST-SEQ |
| ME-MS81 | Fusion 38 éléments ICP-MS | ICP-MS |

À: **MAGPIE MINES**
ATTN: ETIENNE FORBES
239, AVENUE JOLLIET
SEPT-ILES QC G4R 2A8

Ce rapport est final et remplace tout autre rapport préliminaire portant ce numéro de certificat. Les résultats s'appliquent aux échantillons soumis. Toutes les pages de ce rapport ont été vérifiées et approuvées avant publication.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Nombre total de pages: 5 (A - D)
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CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode élément unités L.D. | WEI-21 Poids reçu kg | ME-MS81 Ag ppm | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Co ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Cu ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm |
|-------------------------|-----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | 0.02 | 1 | 0.5 | 0.5 | 0.5 | 10 | 0.01 | 5 | 0.05 | 0.03 | 0.03 | 0.1 | 0.05 | 0.2 | 0.01 |
| 140651 | | 1.00 | <1 | 113.5 | 8.9 | 36.0 | 130 | 0.07 | 10 | 0.65 | 0.35 | 0.34 | 39.8 | 0.89 | 1.5 | 0.09 |
| 140652 | | 3.99 | <1 | 81.1 | 7.4 | 39.7 | 40 | 0.06 | 9 | 0.52 | 0.30 | 0.24 | 41.3 | 0.92 | 1.2 | 0.08 |
| 140653 | | 4.41 | <1 | 49.0 | 5.6 | 41.4 | 20 | 0.05 | 11 | 0.43 | 0.22 | 0.20 | 41.4 | 0.63 | 1.1 | 0.06 |
| 140654 | | 4.47 | <1 | 57.8 | 7.1 | 40.5 | 30 | 0.06 | 10 | 0.52 | 0.25 | 0.25 | 41.2 | 0.80 | 1.1 | 0.04 |
| 140655 | | 4.10 | <1 | 73.3 | 7.6 | 38.6 | 50 | 0.08 | 9 | 0.52 | 0.27 | 0.25 | 39.4 | 0.80 | 1.1 | 0.07 |
| 140656 | | 0.49 | <1 | 157.5 | 15.1 | 50.2 | 250 | 0.11 | 350 | 1.09 | 0.49 | 0.55 | 37.7 | 1.54 | 1.6 | 0.17 |
| 140657 | | 4.10 | <1 | 71.2 | 6.8 | 60.2 | 100 | 0.06 | 14 | 0.46 | 0.27 | 0.24 | 40.6 | 0.70 | 0.9 | 0.05 |
| 140658 | | 4.44 | <1 | 79.7 | 8.0 | 36.8 | 40 | 0.06 | 10 | 0.67 | 0.30 | 0.25 | 39.0 | 0.91 | 1.1 | 0.09 |
| 140659 | | 4.43 | <1 | 93.7 | 8.5 | 38.0 | 40 | 0.06 | 9 | 0.63 | 0.30 | 0.32 | 38.6 | 0.96 | 1.3 | 0.08 |
| 140660 | | 4.15 | <1 | 117.0 | 10.2 | 37.9 | 60 | 0.05 | 11 | 0.75 | 0.35 | 0.38 | 38.7 | 1.06 | 1.3 | 0.10 |
| 140661 | | 3.99 | <1 | 101.5 | 9.7 | 37.5 | 40 | 0.05 | 7 | 0.79 | 0.34 | 0.36 | 39.2 | 1.17 | 1.4 | 0.11 |
| 140662 | | 4.75 | <1 | 104.0 | 10.8 | 40.6 | 40 | 0.08 | 10 | 0.88 | 0.42 | 0.40 | 39.3 | 1.17 | 1.4 | 0.12 |
| 140663 | | 4.69 | <1 | 84.1 | 9.5 | 37.4 | 30 | 0.07 | 13 | 0.68 | 0.34 | 0.35 | 41.3 | 1.01 | 1.2 | 0.10 |
| 140664 | | 4.48 | <1 | 85.6 | 9.5 | 40.9 | 60 | 0.10 | 12 | 0.70 | 0.36 | 0.34 | 39.1 | 1.21 | 1.2 | 0.10 |
| 140665 | | 4.06 | <1 | 61.9 | 7.8 | 46.9 | 50 | 0.06 | 15 | 0.55 | 0.28 | 0.27 | 41.3 | 0.88 | 1.3 | 0.08 |
| 140666 | | 4.13 | <1 | 83.6 | 8.6 | 27.5 | 30 | 0.06 | 14 | 0.66 | 0.36 | 0.31 | 37.1 | 0.87 | 1.3 | 0.09 |
| 140667 | | 4.21 | <1 | 97.1 | 10.9 | 30.7 | 30 | 0.07 | 10 | 0.84 | 0.37 | 0.37 | 38.6 | 1.26 | 1.6 | 0.12 |
| 140668 | | 4.14 | <1 | 107.0 | 8.6 | 37.3 | 40 | 0.08 | 10 | 0.59 | 0.29 | 0.34 | 39.1 | 0.87 | 1.3 | 0.09 |
| 140669 | | 4.14 | <1 | 94.6 | 8.9 | 40.3 | 40 | 0.05 | 9 | 0.67 | 0.33 | 0.34 | 39.8 | 0.96 | 1.4 | 0.09 |
| 140670 | | 4.06 | <1 | 117.5 | 11.5 | 35.3 | 50 | 0.07 | 7 | 0.80 | 0.39 | 0.40 | 37.9 | 1.22 | 1.4 | 0.12 |
| 140671 | | 4.43 | <1 | 80.6 | 7.9 | 35.0 | 40 | 0.07 | 7 | 0.60 | 0.26 | 0.31 | 36.3 | 0.84 | 1.2 | 0.07 |
| 140672 | | 2.04 | <1 | 88.2 | 9.3 | 35.2 | 70 | 0.08 | 12 | 0.73 | 0.37 | 0.37 | 38.1 | 1.02 | 1.2 | 0.10 |
| 140673 | | 0.77 | <1 | 972 | 98.7 | 59.1 | 230 | 0.37 | 17 | 7.75 | 3.44 | 4.05 | 27.9 | 11.75 | 8.0 | 1.37 |
| 140674 | | 1.12 | <1 | 172.5 | 15.7 | 39.0 | 120 | 0.09 | 308 | 1.14 | 0.54 | 0.52 | 37.7 | 1.72 | 1.7 | 0.16 |
| 140675 | | 5.74 | <1 | 88.7 | 9.3 | 46.7 | 60 | 0.05 | 12 | 0.70 | 0.35 | 0.34 | 38.9 | 1.04 | 1.2 | 0.10 |
| 140676 | | 4.13 | <1 | 101.5 | 11.8 | 40.6 | 60 | 0.05 | 8 | 0.85 | 0.43 | 0.42 | 40.0 | 1.37 | 1.4 | 0.14 |
| 140677 | | 3.93 | <1 | 89.2 | 10.3 | 40.4 | 70 | 0.07 | 11 | 0.76 | 0.40 | 0.36 | 39.8 | 1.04 | 1.4 | 0.11 |
| 140678 | | 3.96 | <1 | 106.5 | 9.5 | 27.0 | 80 | 0.01 | 18 | 0.75 | 0.33 | 0.32 | 35.1 | 1.05 | 1.1 | 0.11 |
| 140679 | | 4.06 | <1 | 119.5 | 9.9 | 28.8 | 120 | 0.02 | 19 | 0.67 | 0.30 | 0.38 | 35.3 | 1.07 | 1.2 | 0.09 |
| 140680 | | 2.16 | <1 | 96.8 | 8.8 | 25.8 | 60 | 0.02 | 17 | 0.68 | 0.27 | 0.31 | 38.2 | 0.94 | 1.2 | 0.09 |
| 140681 | | 3.63 | <1 | 137.5 | 10.7 | 24.8 | 80 | 0.06 | 13 | 0.77 | 0.32 | 0.40 | 36.8 | 1.20 | 1.2 | 0.12 |
| 140682 | | 1.72 | <1 | 100.0 | 8.9 | 28.3 | 70 | 0.01 | 15 | 0.67 | 0.28 | 0.35 | 37.5 | 0.96 | 1.1 | 0.10 |
| 140683 | | 3.57 | <1 | 83.8 | 8.9 | 34.1 | 90 | 0.03 | 11 | 0.67 | 0.27 | 0.30 | 34.8 | 1.03 | 1.2 | 0.09 |
| 140684 | | 3.26 | <1 | 87.1 | 9.1 | 32.0 | 60 | 0.03 | 10 | 0.70 | 0.30 | 0.32 | 35.5 | 1.07 | 1.2 | 0.09 |
| 140685 | | 4.30 | <1 | 89.9 | 8.2 | 23.6 | 40 | 0.02 | 10 | 0.66 | 0.26 | 0.29 | 35.3 | 0.93 | 1.0 | 0.10 |
| 140686 | | 4.46 | <1 | 110.5 | 11.5 | 23.5 | 30 | 0.01 | 6 | 0.85 | 0.36 | 0.39 | 34.5 | 1.35 | 1.2 | 0.13 |
| 140687 | | 4.14 | <1 | 137.5 | 11.5 | 26.9 | 110 | 0.02 | 16 | 0.81 | 0.41 | 0.43 | 36.4 | 1.32 | 1.2 | 0.12 |
| 140688 | | 4.19 | <1 | 116.0 | 11.0 | 24.5 | 40 | 0.04 | 10 | 0.84 | 0.37 | 0.40 | 36.4 | 1.20 | 1.3 | 0.13 |
| 140689 | | 4.25 | <1 | 108.0 | 10.6 | 27.2 | 30 | 0.02 | 9 | 0.82 | 0.30 | 0.39 | 36.7 | 1.35 | 1.3 | 0.13 |
| 140690 | | 4.25 | <1 | 113.5 | 10.9 | 29.0 | 40 | 0.02 | 11 | 0.83 | 0.37 | 0.39 | 39.2 | 1.13 | 1.4 | 0.11 |



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|-------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
| | élément | La | Lu | Mo | Nb | Nd | Ni | Pb | Pr | Rb | Sm | Sn | Sr | Ta | Tb | Th |
| | unités L.D. | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.5 | 0.01 | 2 | 0.2 | 0.1 | 5 | 5 | 0.03 | 0.2 | 0.03 | 1 | 0.1 | 0.1 | 0.01 | 0.05 |
| 140651 | | 5.2 | <0.01 | <2 | 0.8 | 5.5 | 27 | <5 | 1.18 | 2.8 | 1.12 | <1 | 162.0 | <0.1 | 0.09 | 0.26 |
| 140652 | | 5.1 | <0.01 | <2 | 0.8 | 4.3 | 15 | <5 | 0.97 | 2.2 | 0.87 | <1 | 82.4 | <0.1 | 0.06 | 0.22 |
| 140653 | | 3.8 | <0.01 | <2 | 0.7 | 3.1 | 8 | <5 | 0.75 | 1.4 | 0.59 | <1 | 32.9 | <0.1 | 0.03 | 0.15 |
| 140654 | | 5.2 | <0.01 | <2 | 0.8 | 4.2 | 10 | <5 | 0.94 | 1.7 | 0.89 | <1 | 37.9 | <0.1 | 0.07 | 0.18 |
| 140655 | | 5.0 | <0.01 | <2 | 0.8 | 4.4 | 10 | <5 | 1.05 | 2.2 | 0.98 | <1 | 40.3 | <0.1 | 0.06 | 0.19 |
| 140656 | | 10.5 | 0.03 | <2 | 0.8 | 8.5 | 36 | <5 | 2.09 | 4.7 | 1.78 | 26 | 103.0 | <0.1 | 0.16 | 0.40 |
| 140657 | | 5.0 | <0.01 | <2 | 0.5 | 4.1 | 20 | <5 | 0.90 | 1.8 | 0.77 | <1 | 66.7 | <0.1 | 0.06 | 0.17 |
| 140658 | | 4.8 | <0.01 | <2 | 0.7 | 4.8 | 10 | <5 | 1.09 | 2.3 | 0.91 | <1 | 57.4 | <0.1 | 0.08 | 0.17 |
| 140659 | | 5.3 | <0.01 | <2 | 0.9 | 5.0 | 13 | <5 | 1.16 | 2.3 | 0.96 | <1 | 78.3 | <0.1 | 0.08 | 0.19 |
| 140660 | | 5.4 | 0.01 | <2 | 0.9 | 6.0 | 16 | <5 | 1.39 | 2.7 | 1.16 | <1 | 110.0 | <0.1 | 0.09 | 0.20 |
| 140661 | | 5.3 | 0.01 | <2 | 0.9 | 5.9 | 10 | <5 | 1.34 | 2.7 | 1.29 | <1 | 59.2 | <0.1 | 0.08 | 0.22 |
| 140662 | | 6.6 | 0.01 | <2 | 0.9 | 6.4 | 13 | <5 | 1.46 | 3.1 | 1.24 | <1 | 54.4 | <0.1 | 0.12 | 0.24 |
| 140663 | | 10.8 | 0.01 | <2 | 0.8 | 5.8 | 13 | <5 | 1.27 | 2.5 | 1.15 | <1 | 51.3 | <0.1 | 0.09 | 0.20 |
| 140664 | | 6.0 | <0.01 | <2 | 0.7 | 5.7 | 13 | <5 | 1.31 | 2.6 | 1.09 | <1 | 44.7 | <0.1 | 0.10 | 0.22 |
| 140665 | | 5.2 | <0.01 | <2 | 0.7 | 4.6 | 12 | <5 | 1.05 | 2.0 | 0.87 | <1 | 29.6 | <0.1 | 0.07 | 0.17 |
| 140666 | | 4.9 | <0.01 | <2 | 0.9 | 5.3 | 8 | <5 | 1.18 | 2.3 | 1.10 | <1 | 39.4 | <0.1 | 0.08 | 0.19 |
| 140667 | | 6.2 | <0.01 | <2 | 1.0 | 6.5 | 9 | <5 | 1.49 | 3.1 | 1.41 | <1 | 44.9 | <0.1 | 0.10 | 0.24 |
| 140668 | | 5.2 | <0.01 | <2 | 0.8 | 5.1 | 15 | <5 | 1.14 | 2.9 | 1.07 | <1 | 88.8 | <0.1 | 0.08 | 0.18 |
| 140669 | | 5.7 | 0.01 | <2 | 0.9 | 5.3 | 15 | <5 | 1.22 | 2.4 | 0.98 | <1 | 75.7 | <0.1 | 0.10 | 0.18 |
| 140670 | | 6.3 | 0.02 | <2 | 1.0 | 6.5 | 14 | <5 | 1.54 | 3.3 | 1.35 | <1 | 74.3 | <0.1 | 0.12 | 0.22 |
| 140671 | | 4.5 | <0.01 | <2 | 0.8 | 4.5 | 11 | <5 | 1.06 | 2.2 | 0.94 | <1 | 46.0 | <0.1 | 0.06 | 0.14 |
| 140672 | | 5.3 | <0.01 | <2 | 0.7 | 5.5 | 16 | <5 | 1.28 | 2.6 | 1.16 | <1 | 50.7 | <0.1 | 0.10 | 0.21 |
| 140673 | | 42.9 | 0.34 | 2 | 15.3 | 61.4 | 71 | 6 | 13.80 | 27.0 | 12.70 | 2 | 559 | 1.0 | 1.61 | 1.59 |
| 140674 | | 9.2 | 0.02 | <2 | 1.0 | 8.9 | 31 | <5 | 2.02 | 5.3 | 1.80 | 26 | 114.0 | <0.1 | 0.20 | 0.39 |
| 140675 | | 6.3 | 0.01 | <2 | 0.7 | 5.6 | 15 | <5 | 1.26 | 2.5 | 1.05 | <1 | 54.1 | <0.1 | 0.10 | 0.20 |
| 140676 | | 7.7 | 0.01 | <2 | 0.8 | 7.1 | 17 | <5 | 1.63 | 3.1 | 1.36 | <1 | 55.8 | <0.1 | 0.12 | 0.23 |
| 140677 | | 7.7 | 0.02 | <2 | 0.7 | 6.0 | 19 | 11 | 1.37 | 2.6 | 1.26 | <1 | 56.9 | <0.1 | 0.10 | 0.22 |
| 140678 | | 4.6 | <0.01 | <2 | 0.8 | 6.1 | 16 | <5 | 1.34 | 3.0 | 1.03 | <1 | 86.4 | <0.1 | 0.10 | 0.14 |
| 140679 | | 5.0 | <0.01 | <2 | 1.0 | 5.9 | 25 | <5 | 1.33 | 3.1 | 1.17 | <1 | 120.0 | <0.1 | 0.12 | 0.15 |
| 140680 | | 6.0 | <0.01 | <2 | 0.9 | 5.6 | 22 | <5 | 1.17 | 2.8 | 1.03 | <1 | 91.7 | <0.1 | 0.12 | 0.12 |
| 140681 | | 6.3 | <0.01 | <2 | 1.0 | 6.4 | 24 | <5 | 1.47 | 3.7 | 1.31 | <1 | 115.5 | <0.1 | 0.15 | 0.16 |
| 140682 | | 6.1 | 0.01 | <2 | 0.8 | 5.3 | 21 | <5 | 1.15 | 2.8 | 1.06 | <1 | 91.2 | <0.1 | 0.13 | 0.14 |
| 140683 | | 5.6 | <0.01 | <2 | 0.7 | 5.6 | 19 | <5 | 1.22 | 2.3 | 0.98 | <1 | 51.2 | <0.1 | 0.12 | 0.13 |
| 140684 | | 5.3 | 0.02 | <2 | 0.8 | 5.5 | 14 | <5 | 1.24 | 2.8 | 1.11 | <1 | 52.6 | <0.1 | 0.11 | 0.14 |
| 140685 | | 4.5 | 0.02 | <2 | 0.9 | 4.9 | 12 | <5 | 1.07 | 2.5 | 0.94 | <1 | 66.2 | <0.1 | 0.09 | 0.12 |
| 140686 | | 5.5 | 0.02 | <2 | 0.9 | 7.1 | 14 | <5 | 1.68 | 3.2 | 1.34 | <1 | 66.4 | <0.1 | 0.14 | 0.13 |
| 140687 | | 5.5 | 0.02 | <2 | 1.2 | 6.8 | 23 | <5 | 1.56 | 3.4 | 1.32 | 1 | 146.0 | <0.1 | 0.13 | 0.15 |
| 140688 | | 6.7 | 0.01 | <2 | 1.1 | 6.7 | 15 | <5 | 1.46 | 3.3 | 1.37 | 1 | 74.7 | <0.1 | 0.14 | 0.16 |
| 140689 | | 6.0 | 0.01 | <2 | 0.9 | 6.5 | 14 | <5 | 1.43 | 3.3 | 1.18 | <1 | 68.3 | <0.1 | 0.12 | 0.14 |
| 140690 | | 6.6 | 0.01 | <2 | 1.1 | 6.7 | 17 | <5 | 1.53 | 3.5 | 1.22 | <1 | 74.0 | <0.1 | 0.15 | 0.18 |



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|-------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | élément | TI | Tm | U | V | W | Y | Yb | Zn | Zr | SiO2 | Al2O3 | Fe2O3 | CaO | MgO | Na2O |
| | unités L.D. | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % |
| | | 0.5 | 0.01 | 0.05 | 5 | 1 | 0.5 | 0.03 | 5 | 2 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 140651 | | <0.5 | 0.03 | 0.07 | 362 | 1 | 3.1 | 0.24 | 172 | 53 | 8.52 | 12.30 | 57.8 | 1.53 | 5.57 | 0.65 |
| 140652 | | <0.5 | 0.04 | 0.06 | 314 | 1 | 2.5 | 0.16 | 182 | 44 | 5.28 | 11.75 | 61.5 | 0.90 | 6.00 | 0.38 |
| 140653 | | <0.5 | <0.01 | <0.05 | 329 | 1 | 2.0 | 0.17 | 193 | 36 | 2.79 | 10.20 | 62.4 | 0.43 | 5.64 | 0.13 |
| 140654 | | <0.5 | 0.01 | 0.07 | 361 | 2 | 2.4 | 0.15 | 195 | 36 | 3.18 | 10.60 | 65.4 | 0.50 | 6.09 | 0.14 |
| 140655 | | <0.5 | 0.02 | 0.06 | 322 | 1 | 2.7 | 0.23 | 177 | 38 | 3.18 | 10.25 | 60.7 | 0.51 | 5.96 | 0.14 |
| 140656 | | <0.5 | 0.04 | 0.11 | 186 | 2 | 4.8 | 0.33 | 202 | 61 | 7.37 | 10.90 | 61.2 | 1.13 | 5.90 | 0.47 |
| 140657 | | <0.5 | 0.01 | 0.05 | 138 | 2 | 2.3 | 0.17 | 234 | 33 | 4.55 | 11.05 | 63.9 | 0.79 | 6.15 | 0.24 |
| 140658 | | <0.5 | 0.01 | 0.05 | 312 | 1 | 2.8 | 0.20 | 177 | 41 | 4.03 | 10.55 | 59.5 | 0.69 | 6.03 | 0.18 |
| 140659 | | <0.5 | 0.02 | 0.06 | 288 | 1 | 2.9 | 0.21 | 186 | 49 | 5.04 | 10.60 | 58.3 | 0.88 | 5.76 | 0.28 |
| 140660 | | <0.5 | 0.02 | 0.06 | 301 | 1 | 3.4 | 0.27 | 185 | 44 | 7.06 | 11.90 | 59.5 | 1.19 | 5.74 | 0.54 |
| 140661 | | <0.5 | 0.02 | 0.07 | 337 | 1 | 3.4 | 0.25 | 179 | 48 | 4.66 | 10.65 | 60.2 | 0.76 | 5.84 | 0.24 |
| 140662 | | <0.5 | 0.04 | 0.07 | 289 | 1 | 3.8 | 0.26 | 185 | 49 | 4.67 | 12.50 | 61.9 | 0.71 | 6.09 | 0.30 |
| 140663 | | <0.5 | 0.01 | 0.07 | 394 | 1 | 3.2 | 0.30 | 187 | 44 | 4.60 | 10.90 | 62.2 | 0.71 | 6.32 | 0.30 |
| 140664 | | <0.5 | 0.03 | 0.07 | 232 | 1 | 3.3 | 0.24 | 190 | 47 | 4.21 | 11.30 | 62.8 | 0.61 | 6.03 | 0.27 |
| 140665 | | <0.5 | 0.01 | <0.05 | 181 | 1 | 2.7 | 0.18 | 211 | 47 | 2.99 | 10.10 | 61.2 | 0.46 | 5.78 | 0.12 |
| 140666 | | <0.5 | 0.01 | 0.05 | 474 | 1 | 3.0 | 0.22 | 155 | 43 | 3.50 | 10.20 | 61.3 | 0.55 | 5.76 | 0.14 |
| 140667 | | <0.5 | 0.03 | 0.07 | 399 | 1 | 3.8 | 0.30 | 178 | 54 | 4.19 | 10.95 | 63.8 | 0.71 | 5.93 | 0.22 |
| 140668 | | <0.5 | 0.01 | 0.05 | 331 | 1 | 2.9 | 0.18 | 177 | 45 | 5.90 | 11.35 | 61.3 | 0.98 | 5.77 | 0.44 |
| 140669 | | <0.5 | 0.02 | <0.05 | 347 | 1 | 3.0 | 0.25 | 191 | 49 | 5.50 | 11.20 | 61.9 | 0.87 | 6.02 | 0.37 |
| 140670 | | <0.5 | 0.04 | 0.12 | 324 | 1 | 4.0 | 0.25 | 181 | 52 | 5.33 | 10.85 | 62.9 | 0.87 | 5.89 | 0.28 |
| 140671 | | <0.5 | 0.01 | 0.06 | 361 | 1 | 2.8 | 0.20 | 167 | 41 | 3.95 | 12.20 | 63.6 | 0.58 | 5.97 | 0.26 |
| 140672 | | <0.5 | 0.02 | 0.07 | 259 | 1 | 3.4 | 0.26 | 182 | 45 | 4.39 | 10.40 | 58.6 | 0.89 | 5.81 | 0.14 |
| 140673 | | <0.5 | 0.42 | 0.43 | 300 | 1 | 34.4 | 2.47 | 209 | 325 | 43.1 | 14.00 | 18.45 | 6.87 | 5.25 | 3.23 |
| 140674 | | <0.5 | 0.03 | 0.13 | 241 | 3 | 4.9 | 0.37 | 186 | 63 | 8.06 | 10.95 | 60.5 | 1.20 | 5.80 | 0.53 |
| 140675 | | <0.5 | 0.02 | 0.07 | 186 | 2 | 3.3 | 0.20 | 208 | 46 | 4.24 | 11.55 | 63.8 | 0.67 | 5.93 | 0.27 |
| 140676 | | <0.5 | 0.03 | 0.08 | 275 | 4 | 4.1 | 0.28 | 194 | 52 | 4.45 | 10.20 | 60.6 | 0.70 | 5.87 | 0.22 |
| 140677 | | <0.5 | 0.02 | 0.06 | 303 | 2 | 3.6 | 0.27 | 196 | 51 | 4.59 | 10.30 | 59.8 | 0.73 | 5.90 | 0.21 |
| 140678 | | <0.5 | 0.02 | <0.05 | 409 | <1 | 3.3 | 0.25 | 150 | 46 | 5.76 | 10.95 | 62.8 | 0.95 | 5.79 | 0.39 |
| 140679 | | <0.5 | 0.03 | <0.05 | 350 | 1 | 3.4 | 0.22 | 158 | 47 | 6.92 | 10.85 | 55.7 | 1.23 | 5.27 | 0.45 |
| 140680 | | <0.5 | 0.07 | 0.05 | 744 | 1 | 3.2 | 0.24 | 145 | 45 | 5.31 | 10.70 | 58.9 | 0.90 | 5.51 | 0.33 |
| 140681 | | <0.5 | 0.02 | <0.05 | 692 | <1 | 3.7 | 0.25 | 147 | 47 | 6.42 | 11.10 | 56.8 | 1.04 | 5.47 | 0.42 |
| 140682 | | <0.5 | 0.03 | <0.05 | 602 | 1 | 3.1 | 0.24 | 155 | 42 | 5.51 | 10.85 | 58.3 | 0.94 | 5.52 | 0.34 |
| 140683 | | <0.5 | 0.03 | <0.05 | 346 | 1 | 3.1 | 0.25 | 173 | 46 | 4.71 | 10.35 | 59.6 | 0.67 | 5.64 | 0.18 |
| 140684 | | <0.5 | 0.04 | <0.05 | 395 | <1 | 3.2 | 0.24 | 168 | 45 | 4.16 | 10.20 | 60.6 | 0.64 | 5.55 | 0.22 |
| 140685 | | <0.5 | 0.06 | 0.07 | 612 | <1 | 2.8 | 0.27 | 140 | 41 | 4.62 | 10.30 | 59.1 | 0.74 | 5.52 | 0.28 |
| 140686 | | <0.5 | 0.04 | <0.05 | 542 | <1 | 4.0 | 0.31 | 144 | 46 | 5.01 | 9.82 | 57.8 | 0.82 | 5.53 | 0.30 |
| 140687 | | <0.5 | 0.02 | <0.05 | 500 | <1 | 3.8 | 0.26 | 153 | 48 | 7.99 | 10.80 | 54.0 | 1.41 | 5.22 | 0.55 |
| 140688 | | <0.5 | 0.04 | 0.05 | 641 | 1 | 3.7 | 0.27 | 142 | 49 | 5.18 | 10.25 | 58.5 | 0.84 | 5.50 | 0.29 |
| 140689 | | <0.5 | 0.02 | <0.05 | 692 | 1 | 3.7 | 0.25 | 154 | 49 | 4.96 | 10.20 | 59.1 | 0.77 | 5.53 | 0.29 |
| 140690 | | <0.5 | 0.03 | 0.05 | 687 | 1 | 3.8 | 0.30 | 164 | 53 | 5.21 | 10.25 | 57.5 | 0.82 | 5.42 | 0.31 |



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À: MAGPIE MINES

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Nombre total de pages: 5 (A - D)

Finalisée date: 29-JUIN-2009

Compte: MAGPIE

Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode élément unités L.D. | ME-ICP06 K2O | ME-ICP06 Cr2O3 | ME-ICP06 TiO2 | ME-ICP06 MnO | ME-ICP06 P2O5 | ME-ICP06 SrO | ME-ICP06 BaO | OA-GRA05 LOI | TOT-ICP06 Total |
|-------------------------|-----------------------------|--------------|----------------|---------------|--------------|---------------|--------------|--------------|--------------|-----------------|
| | % | % | % | % | % | % | % | % | % | % |
| 140651 | 0.01 | 0.17 | 1.98 | 10.15 | 0.19 | 0.13 | 0.02 | 0.01 | -0.90 | 98.1 |
| 140652 | 0.01 | 0.13 | 2.12 | 10.95 | 0.20 | 0.11 | 0.01 | 0.01 | -1.09 | 98.3 |
| 140653 | 0.01 | 0.07 | 2.14 | 10.65 | 0.19 | <0.01 | <0.01 | <0.01 | -1.78 | 92.9 |
| 140654 | 0.01 | 0.06 | 2.19 | 11.25 | 0.21 | <0.01 | <0.01 | <0.01 | -0.70 | 98.9 |
| 140655 | 0.01 | 0.07 | 2.08 | 10.90 | 0.19 | 0.05 | <0.01 | <0.01 | -1.40 | 92.6 |
| 140656 | 0.01 | 0.26 | 1.50 | 10.85 | 0.20 | 0.20 | 0.02 | 0.02 | -1.91 | 98.1 |
| 140657 | 0.01 | 0.09 | 2.13 | 11.15 | 0.20 | 0.06 | <0.01 | <0.01 | -1.28 | 99.0 |
| 140658 | 0.01 | 0.09 | 2.09 | 10.80 | 0.19 | 0.05 | 0.01 | <0.01 | -0.70 | 93.5 |
| 140659 | 0.01 | 0.04 | 2.01 | 10.40 | 0.19 | 0.07 | 0.01 | <0.01 | -1.00 | 92.6 |
| 140660 | 0.01 | 0.19 | 1.98 | 10.45 | 0.20 | 0.15 | 0.02 | 0.01 | -0.88 | 98.1 |
| 140661 | 0.01 | 0.10 | 2.07 | 10.65 | 0.19 | 0.14 | 0.01 | <0.01 | -1.19 | 94.3 |
| 140662 | 0.01 | 0.19 | 2.03 | 11.00 | 0.21 | 0.16 | 0.01 | 0.01 | -1.68 | 98.1 |
| 140663 | 0.01 | 0.19 | 1.93 | 11.35 | 0.21 | 0.14 | 0.01 | 0.01 | -0.78 | 98.1 |
| 140664 | 0.01 | 0.15 | 1.98 | 11.35 | 0.21 | 0.14 | 0.01 | 0.01 | -0.98 | 98.1 |
| 140665 | 0.01 | 0.06 | 1.86 | 11.05 | 0.20 | 0.04 | <0.01 | <0.01 | -0.59 | 93.3 |
| 140666 | 0.01 | 0.07 | 1.80 | 11.05 | 0.19 | 0.06 | <0.01 | <0.01 | -0.79 | 93.8 |
| 140667 | 0.01 | 0.17 | 1.78 | 11.45 | 0.21 | 0.17 | 0.01 | 0.01 | -1.46 | 98.1 |
| 140668 | 0.01 | 0.19 | 1.68 | 11.05 | 0.20 | 0.11 | 0.02 | 0.01 | -0.79 | 98.2 |
| 140669 | 0.01 | 0.17 | 1.70 | 11.30 | 0.21 | 0.10 | 0.01 | 0.01 | -1.18 | 98.2 |
| 140670 | 0.01 | 0.13 | 1.68 | 10.90 | 0.20 | 0.11 | <0.01 | <0.01 | -1.20 | 97.9 |
| 140671 | 0.01 | 0.15 | 1.80 | 11.35 | 0.21 | 0.11 | 0.01 | 0.01 | -2.19 | 98.0 |
| 140672 | 0.01 | 0.06 | 1.76 | 10.90 | 0.20 | 0.08 | <0.01 | <0.01 | -1.46 | 91.8 |
| 140673 | 0.01 | 1.70 | 0.03 | 4.56 | 0.17 | 1.28 | 0.07 | 0.11 | 1.69 | 100.5 |
| 140674 | 0.01 | 0.29 | 1.45 | 10.75 | 0.20 | 0.18 | 0.02 | 0.02 | -1.89 | 98.1 |
| 140675 | 0.01 | 0.17 | 1.88 | 11.35 | 0.23 | 0.11 | 0.01 | 0.01 | -2.10 | 98.1 |
| 140676 | 0.01 | 0.12 | 1.61 | 11.25 | 0.20 | 0.12 | <0.01 | <0.01 | -2.55 | 92.8 |
| 140677 | 0.01 | 0.11 | 1.57 | 11.20 | 0.19 | 0.10 | <0.01 | <0.01 | -2.53 | 92.2 |
| 140678 | 0.01 | 0.17 | 1.50 | 11.20 | 0.20 | 0.11 | 0.01 | 0.01 | -1.70 | 98.1 |
| 140679 | 0.01 | 0.17 | 1.36 | 10.55 | 0.23 | 0.12 | 0.01 | 0.01 | -1.90 | 91.0 |
| 140680 | 0.01 | 0.16 | 1.54 | 11.20 | 0.22 | 0.10 | 0.01 | 0.01 | -1.97 | 92.9 |
| 140681 | 0.01 | 0.21 | 1.51 | 11.05 | 0.21 | 0.13 | 0.01 | 0.02 | -2.10 | 92.3 |
| 140682 | 0.01 | 0.16 | 1.54 | 11.25 | 0.21 | 0.08 | 0.01 | 0.01 | -2.50 | 92.2 |
| 140683 | 0.01 | 0.12 | 1.52 | 11.50 | 0.22 | 0.10 | 0.01 | 0.01 | -1.79 | 92.8 |
| 140684 | 0.01 | 0.15 | 1.52 | 11.50 | 0.21 | 0.11 | 0.01 | 0.01 | -2.57 | 92.3 |
| 140685 | 0.01 | 0.13 | 1.47 | 11.30 | 0.21 | 0.09 | 0.01 | 0.01 | -2.41 | 91.4 |
| 140686 | 0.01 | 0.18 | 1.43 | 10.95 | 0.21 | 0.17 | 0.01 | 0.01 | -1.90 | 90.3 |
| 140687 | 0.01 | 0.21 | 1.24 | 10.45 | 0.19 | 0.15 | 0.02 | 0.01 | -1.38 | 90.9 |
| 140688 | 0.01 | 0.18 | 1.35 | 11.25 | 0.21 | 0.12 | 0.01 | 0.01 | -1.84 | 91.9 |
| 140689 | 0.01 | 0.18 | 1.40 | 11.30 | 0.21 | 0.12 | 0.01 | 0.01 | -2.56 | 91.5 |
| 140690 | 0.01 | 0.18 | 1.35 | 11.15 | 0.21 | 0.15 | 0.01 | 0.01 | -2.50 | 90.1 |



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Finalisée date: 29-JUIN-2009

Compte: MAGPIE

Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode élément unités L.D. | WEI-21 Poids reçu kg | ME-MS81 Ag ppm | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Co ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Cu ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm |
|-------------------------|-----------------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | 0.02 | 1 | 0.5 | 0.5 | 0.5 | 10 | 0.01 | 5 | 0.05 | 0.03 | 0.03 | 0.1 | 0.05 | 0.2 | 0.01 |
| 140691 | | 3.65 | <1 | 124.5 | 11.6 | 30.9 | 110 | 0.01 | 6 | 0.82 | 0.39 | 0.45 | 33.8 | 1.35 | 1.4 | 0.14 |
| 140692 | | 3.71 | <1 | 116.0 | 10.5 | 24.0 | 70 | <0.01 | 8 | 0.76 | 0.33 | 0.35 | 35.0 | 1.19 | 1.2 | 0.11 |
| 140693 | | 3.67 | <1 | 218 | 27.0 | 28.0 | 80 | 0.04 | 10 | 2.20 | 0.90 | 0.97 | 37.7 | 3.20 | 1.8 | 0.35 |
| 140694 | | 3.72 | <1 | 185.0 | 20.5 | 23.0 | 40 | 0.03 | 10 | 1.47 | 0.68 | 0.70 | 36.4 | 2.17 | 1.8 | 0.25 |
| 140695 | | 3.65 | <1 | 215 | 23.7 | 26.0 | 50 | 0.06 | 6 | 1.87 | 0.82 | 0.86 | 38.6 | 2.82 | 2.1 | 0.29 |
| 140696 | | 3.57 | <1 | 138.0 | 13.5 | 22.1 | 50 | 0.08 | 8 | 1.10 | 0.46 | 0.51 | 36.3 | 1.66 | 1.6 | 0.15 |
| 140697 | | 4.04 | <1 | 175.5 | 16.5 | 24.5 | 70 | 0.04 | 9 | 1.18 | 0.58 | 0.63 | 37.3 | 1.83 | 1.7 | 0.20 |
| 140698 | | 3.89 | <1 | 191.0 | 17.9 | 29.7 | 170 | 0.03 | 8 | 1.35 | 0.59 | 0.62 | 37.0 | 2.25 | 1.7 | 0.21 |
| 140699 | | 4.17 | <1 | 198.0 | 19.5 | 30.1 | 150 | 0.01 | 7 | 1.42 | 0.65 | 0.72 | 36.9 | 2.23 | 1.8 | 0.23 |
| 140700 | | 4.36 | <1 | 237 | 23.5 | 31.3 | 160 | 0.02 | 7 | 1.77 | 0.78 | 0.85 | 39.2 | 2.62 | 2.1 | 0.27 |
| 140751 | | 3.91 | <1 | 253 | 25.3 | 30.6 | 160 | 0.04 | 9 | 2.01 | 0.90 | 0.99 | 39.9 | 2.81 | 2.4 | 0.33 |
| 140752 | | 2.86 | <1 | 272 | 25.8 | 30.0 | 200 | 0.05 | 10 | 2.02 | 0.91 | 0.97 | 38.9 | 2.94 | 2.4 | 0.34 |
| 140753 | | 2.73 | <1 | 300 | 29.2 | 34.5 | 300 | 0.11 | 10 | 2.14 | 0.96 | 1.13 | 37.1 | 3.40 | 2.4 | 0.37 |
| 140754 | | 2.96 | <1 | 368 | 34.2 | 34.3 | 480 | 0.05 | 17 | 2.54 | 1.21 | 1.34 | 39.2 | 3.83 | 3.0 | 0.42 |
| 140755 | | 2.86 | <1 | 398 | 36.6 | 44.5 | 790 | 0.07 | 14 | 2.71 | 1.17 | 1.49 | 39.9 | 4.09 | 3.1 | 0.46 |
| 140756 | | 3.85 | <1 | 503 | 48.5 | 48.4 | 1450 | 0.09 | 16 | 3.66 | 1.67 | 1.90 | 37.5 | 5.40 | 3.5 | 0.62 |
| 140757 | | 3.74 | <1 | 521 | 49.4 | 48.5 | 1590 | 0.10 | 18 | 3.69 | 1.69 | 1.90 | 35.2 | 5.67 | 3.8 | 0.60 |
| 140758 | | 3.51 | <1 | 509 | 46.7 | 51.3 | 1530 | 0.20 | 17 | 3.42 | 1.61 | 1.80 | 36.3 | 5.29 | 3.8 | 0.60 |
| 140759 | | 3.31 | <1 | 536 | 50.5 | 48.7 | 1440 | 0.13 | 18 | 3.77 | 1.74 | 2.07 | 36.7 | 5.73 | 3.9 | 0.65 |
| 140760 | | 3.55 | <1 | 499 | 44.9 | 47.7 | 1690 | 0.08 | 29 | 3.35 | 1.58 | 1.80 | 36.3 | 5.15 | 3.5 | 0.59 |
| 140761 | | 3.69 | <1 | 539 | 50.2 | 51.8 | 2020 | 0.16 | 27 | 3.79 | 1.69 | 2.01 | 34.8 | 5.82 | 3.9 | 0.65 |
| 140762 | | 3.17 | <1 | 490 | 40.7 | 59.1 | 1610 | 0.15 | 77 | 2.93 | 1.42 | 1.71 | 30.0 | 4.44 | 3.2 | 0.46 |
| 140763 | | 3.34 | <1 | 634 | 57.9 | 63.1 | 1870 | 0.25 | 26 | 4.32 | 2.02 | 2.28 | 31.3 | 6.40 | 4.4 | 0.69 |
| 140764 | | 0.99 | <1 | 625 | 71.5 | 18.3 | 30 | 0.30 | 16 | 2.88 | 1.72 | 1.26 | 15.2 | 4.50 | 5.0 | 0.59 |
| 140765 | | 3.02 | <1 | 128.5 | 10.7 | 42.8 | 190 | 0.09 | 8 | 0.78 | 0.37 | 0.40 | 36.5 | 1.24 | 1.8 | 0.10 |
| 140766 | | 4.25 | <1 | 123.0 | 10.4 | 34.1 | 270 | 0.06 | 9 | 0.75 | 0.35 | 0.43 | 36.2 | 1.10 | 1.7 | 0.09 |
| 140767 | | 3.81 | <1 | 126.0 | 11.8 | 36.6 | 310 | 0.07 | 6 | 0.81 | 0.39 | 0.42 | 33.4 | 1.32 | 1.7 | 0.12 |
| 140768 | | 3.41 | <1 | 210 | 18.2 | 49.1 | 580 | 0.09 | 7 | 1.26 | 0.63 | 0.72 | 41.4 | 2.00 | 1.9 | 0.19 |
| 140769 | | 4.02 | <1 | 162.0 | 12.9 | 32.4 | 120 | 0.07 | 5 | 0.82 | 0.42 | 0.49 | 40.6 | 1.44 | 1.4 | 0.16 |
| 140770 | | 4.13 | <1 | 204 | 19.1 | 29.4 | 160 | 0.06 | 10 | 1.27 | 0.55 | 0.73 | 39.6 | 1.97 | 1.8 | 0.23 |
| 140771 | | 2.37 | <1 | 157.0 | 17.3 | 30.7 | 120 | 0.04 | <5 | 1.13 | 0.58 | 0.55 | 37.0 | 1.78 | 1.8 | 0.22 |
| 140772 | | 1.40 | <1 | 262 | 20.7 | 38.4 | 980 | 0.20 | 9 | 1.47 | 0.65 | 0.81 | 38.8 | 2.21 | 1.9 | 0.26 |
| 140773 | | 4.05 | <1 | 187.0 | 16.5 | 33.5 | 40 | 0.02 | 8 | 1.26 | 0.59 | 0.69 | 38.9 | 1.85 | 1.7 | 0.22 |
| 140774 | | 3.89 | <1 | 169.0 | 15.3 | 33.0 | 40 | 0.02 | 6 | 1.09 | 0.50 | 0.59 | 39.8 | 1.67 | 1.6 | 0.21 |
| 140775 | | 3.92 | <1 | 139.0 | 11.6 | 32.2 | 110 | 0.04 | 7 | 0.81 | 0.39 | 0.51 | 33.2 | 1.26 | 1.5 | 0.10 |
| 140776 | | 2.16 | <1 | 103.5 | 9.8 | 21.6 | 50 | 0.03 | 5 | 0.72 | 0.35 | 0.38 | 34.6 | 1.19 | 1.4 | 0.09 |
| 140777 | | 4.01 | <1 | 139.5 | 16.9 | 25.6 | 60 | 0.05 | 8 | 1.27 | 0.59 | 0.65 | 35.1 | 2.08 | 1.6 | 0.19 |
| 140778 | | 3.98 | <1 | 114.0 | 11.2 | 38.7 | 70 | 0.05 | 10 | 0.82 | 0.37 | 0.40 | 39.8 | 1.29 | 1.4 | 0.11 |
| 140779 | | 1.95 | <1 | 107.5 | 10.6 | 35.0 | 70 | 0.04 | <5 | 0.82 | 0.39 | 0.42 | 35.1 | 1.21 | 1.5 | 0.10 |
| 140780 | | 3.77 | 1 | 91.8 | 8.2 | 28.8 | 70 | 0.03 | 7 | 0.66 | 0.32 | 0.35 | 36.6 | 0.92 | 1.2 | 0.07 |



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Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | |
|-------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
| | élément | La | Lu | Mo | Nb | Nd | Ni | Pb | Pr | Rb | Sm | Sn | Sr | Ta | Tb | Th |
| | unités L.D. | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.5 | 0.01 | 2 | 0.2 | 0.1 | 5 | 5 | 0.03 | 0.2 | 0.03 | 1 | 0.1 | 0.1 | 0.01 | 0.05 |
| 140691 | | 6.3 | 0.01 | <2 | 0.8 | 7.0 | 19 | <5 | 1.58 | 3.5 | 1.44 | <1 | 73.4 | <0.1 | 0.16 | 0.16 |
| 140692 | | 6.1 | 0.01 | <2 | 0.9 | 6.4 | 17 | <5 | 1.46 | 3.2 | 1.16 | <1 | 72.7 | <0.1 | 0.16 | 0.16 |
| 140693 | | 14.2 | 0.07 | <2 | 1.7 | 17.0 | 27 | <5 | 3.77 | 6.8 | 3.37 | 1 | 97.5 | <0.1 | 0.40 | 0.41 |
| 140694 | | 10.4 | 0.04 | <2 | 1.5 | 12.2 | 19 | <5 | 2.79 | 6.2 | 2.53 | 1 | 70.6 | <0.1 | 0.30 | 0.31 |
| 140695 | | 12.2 | 0.06 | <2 | 1.8 | 14.6 | 22 | <5 | 3.33 | 7.4 | 2.97 | 1 | 77.4 | <0.1 | 0.34 | 0.42 |
| 140696 | | 7.5 | 0.02 | <2 | 1.4 | 8.4 | 20 | 5 | 1.84 | 4.3 | 1.49 | <1 | 83.5 | <0.1 | 0.20 | 0.25 |
| 140697 | | 8.9 | 0.03 | <2 | 1.5 | 10.1 | 25 | <5 | 2.22 | 4.9 | 2.00 | 1 | 103.0 | <0.1 | 0.22 | 0.26 |
| 140698 | | 8.7 | 0.03 | <2 | 1.4 | 10.8 | 30 | <5 | 2.53 | 5.9 | 2.16 | 1 | 108.0 | <0.1 | 0.23 | 0.28 |
| 140699 | | 10.3 | 0.04 | <2 | 1.5 | 11.8 | 33 | <5 | 2.73 | 5.9 | 2.58 | 1 | 112.0 | <0.1 | 0.28 | 0.32 |
| 140700 | | 11.3 | 0.05 | <2 | 2.1 | 14.5 | 30 | <5 | 3.22 | 7.0 | 2.78 | 1 | 127.0 | <0.1 | 0.34 | 0.38 |
| 140751 | | 12.8 | 0.06 | <2 | 2.3 | 15.5 | 35 | <5 | 3.55 | 7.5 | 3.11 | 1 | 140.0 | <0.1 | 0.37 | 0.42 |
| 140752 | | 12.2 | 0.07 | <2 | 2.4 | 15.5 | 34 | 41 | 3.68 | 7.4 | 3.12 | 1 | 154.0 | <0.1 | 0.38 | 0.43 |
| 140753 | | 14.3 | 0.08 | <2 | 2.8 | 17.6 | 39 | <5 | 4.00 | 9.1 | 3.62 | 1 | 188.5 | 0.1 | 0.39 | 0.49 |
| 140754 | | 16.2 | 0.11 | 3 | 3.7 | 20.7 | 51 | <5 | 4.73 | 10.5 | 4.25 | 1 | 220 | 0.4 | 0.48 | 0.59 |
| 140755 | | 17.9 | 0.12 | <2 | 3.5 | 22.2 | 60 | <5 | 5.08 | 10.7 | 4.22 | 1 | 257 | 0.1 | 0.53 | 0.67 |
| 140756 | | 22.0 | 0.15 | <2 | 4.3 | 29.5 | 85 | <5 | 6.68 | 14.7 | 5.90 | 1 | 297 | 0.2 | 0.69 | 0.81 |
| 140757 | | 23.7 | 0.15 | <2 | 3.9 | 30.1 | 96 | <5 | 6.83 | 15.3 | 6.26 | 1 | 320 | 0.2 | 0.70 | 0.88 |
| 140758 | | 21.9 | 0.15 | <2 | 4.3 | 27.9 | 83 | <5 | 6.38 | 14.7 | 5.82 | 1 | 313 | 0.2 | 0.62 | 0.85 |
| 140759 | | 24.8 | 0.15 | <2 | 4.6 | 30.8 | 84 | <5 | 6.98 | 16.4 | 5.96 | 1 | 312 | 0.2 | 0.73 | 0.92 |
| 140760 | | 20.7 | 0.14 | <2 | 4.2 | 27.4 | 86 | <5 | 6.16 | 14.5 | 5.44 | 1 | 319 | 0.3 | 0.64 | 0.79 |
| 140761 | | 22.8 | 0.17 | <2 | 5.0 | 30.5 | 96 | <5 | 6.92 | 15.6 | 6.08 | 1 | 359 | 0.2 | 0.69 | 0.87 |
| 140762 | | 17.7 | 0.15 | <2 | 4.3 | 24.2 | 110 | <5 | 5.46 | 11.0 | 4.94 | 1 | 411 | 0.2 | 0.59 | 0.76 |
| 140763 | | 25.6 | 0.22 | <2 | 6.2 | 34.0 | 104 | <5 | 7.79 | 16.5 | 6.78 | 1 | 391 | 0.3 | 0.82 | 1.11 |
| 140764 | | 37.7 | 0.28 | <2 | 12.7 | 27.8 | 29 | 17 | 7.91 | 71.6 | 4.77 | 1 | 292 | 0.8 | 0.60 | 5.62 |
| 140765 | | 4.4 | 0.04 | <2 | 0.9 | 6.2 | 14 | <5 | 1.43 | 3.2 | 1.15 | <1 | 99.3 | <0.1 | 0.14 | 0.27 |
| 140766 | | 4.1 | 0.04 | <2 | 1.0 | 6.0 | 15 | <5 | 1.37 | 2.8 | 1.18 | <1 | 103.0 | <0.1 | 0.16 | 0.24 |
| 140767 | | 5.6 | 0.05 | <2 | 0.8 | 6.7 | 22 | <5 | 1.62 | 3.5 | 1.35 | 1 | 81.1 | <0.1 | 0.16 | 0.29 |
| 140768 | | 8.6 | 0.08 | <2 | 1.3 | 10.6 | 36 | <5 | 2.45 | 5.3 | 2.21 | 1 | 143.5 | <0.1 | 0.23 | 0.39 |
| 140769 | | 7.5 | 0.03 | <2 | 1.2 | 7.5 | 32 | <5 | 1.73 | 4.3 | 1.45 | 1 | 141.5 | <0.1 | 0.18 | 0.22 |
| 140770 | | 10.5 | 0.05 | <2 | 1.5 | 11.0 | 35 | <5 | 2.59 | 6.4 | 2.28 | 1 | 131.0 | <0.1 | 0.27 | 0.36 |
| 140771 | | 8.4 | 0.04 | <2 | 1.1 | 10.0 | 21 | <5 | 2.32 | 6.2 | 1.94 | <1 | 66.3 | <0.1 | 0.23 | 0.34 |
| 140772 | | 8.4 | 0.07 | <2 | 1.7 | 12.1 | 36 | 7 | 2.76 | 6.2 | 2.26 | 1 | 229 | 0.1 | 0.30 | 0.42 |
| 140773 | | 7.3 | 0.05 | <2 | 1.3 | 9.5 | 7 | <5 | 2.27 | 4.5 | 1.94 | 1 | 121.5 | <0.1 | 0.24 | 0.25 |
| 140774 | | 6.8 | 0.05 | <2 | 1.2 | 8.9 | 8 | <5 | 2.04 | 4.3 | 1.84 | 1 | 114.0 | <0.1 | 0.21 | 0.22 |
| 140775 | | 4.6 | 0.05 | <2 | 1.1 | 6.6 | 14 | <5 | 1.55 | 3.0 | 1.43 | 1 | 106.5 | <0.1 | 0.16 | 0.26 |
| 140776 | | 3.6 | 0.03 | <2 | 1.0 | 5.8 | 7 | <5 | 1.34 | 2.4 | 1.10 | 1 | 68.9 | <0.1 | 0.16 | 0.18 |
| 140777 | | 9.2 | 0.06 | <2 | 1.3 | 10.5 | 9 | <5 | 2.37 | 4.0 | 2.11 | 1 | 76.4 | <0.1 | 0.26 | 0.29 |
| 140778 | | 4.6 | 0.05 | <2 | 0.9 | 6.5 | 8 | <5 | 1.43 | 3.2 | 1.31 | <1 | 75.3 | <0.1 | 0.16 | 0.25 |
| 140779 | | 4.5 | 0.04 | <2 | 1.0 | 6.4 | 7 | <5 | 1.41 | 2.1 | 1.33 | <1 | 77.7 | <0.1 | 0.17 | 0.21 |
| 140780 | | 3.8 | 0.03 | <2 | 0.9 | 4.8 | 7 | <5 | 1.13 | 2.3 | 0.98 | <1 | 74.8 | <0.1 | 0.11 | 0.19 |



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À: MAGPIE MINES
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WESTMOUNT QC H3Z 2M8

Page: 3 - C
Nombre total de pages: 5 (A - D)
Finalisée date: 29-JUIN-2009
Compte: MAGPIE

Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 |
|-------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | élément | TI | Tm | U | V | W | Y | Yb | Zn | Zr | SiO2 | Al2O3 | Fe2O3 | CaO | MgO | Na2O |
| | unités L.D. | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % |
| | | 0.5 | 0.01 | 0.05 | 5 | 1 | 0.5 | 0.03 | 5 | 2 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 140691 | | <0.5 | 0.03 | 0.05 | 317 | <1 | 4.1 | 0.27 | 160 | 50 | 5.72 | 10.30 | 58.0 | 0.91 | 5.56 | 0.36 |
| 140692 | | <0.5 | 0.03 | <0.05 | 597 | <1 | 3.6 | 0.29 | 137 | 48 | 5.22 | 10.25 | 57.9 | 0.86 | 5.52 | 0.33 |
| 140693 | | <0.5 | 0.11 | 0.11 | 727 | 1 | 9.6 | 0.60 | 157 | 77 | 8.09 | 10.20 | 54.6 | 1.34 | 5.59 | 0.51 |
| 140694 | | <0.5 | 0.07 | 0.08 | 758 | <1 | 7.1 | 0.53 | 143 | 74 | 6.50 | 10.15 | 55.7 | 1.02 | 5.32 | 0.40 |
| 140695 | | <0.5 | 0.08 | 0.10 | 642 | 2 | 8.3 | 0.60 | 156 | 86 | 7.01 | 10.05 | 56.0 | 1.05 | 5.26 | 0.44 |
| 140696 | | <0.5 | 0.03 | 0.07 | 824 | 1 | 4.8 | 0.32 | 141 | 60 | 6.52 | 10.25 | 56.8 | 1.00 | 5.47 | 0.34 |
| 140697 | | <0.5 | 0.04 | 0.07 | 779 | 1 | 5.6 | 0.44 | 147 | 68 | 7.40 | 10.20 | 56.4 | 1.18 | 5.31 | 0.41 |
| 140698 | | <0.5 | 0.06 | 0.10 | 449 | 1 | 6.1 | 0.44 | 155 | 70 | 8.30 | 10.30 | 54.9 | 1.27 | 5.37 | 0.47 |
| 140699 | | <0.5 | 0.08 | 0.10 | 547 | 1 | 6.6 | 0.50 | 157 | 77 | 8.66 | 10.55 | 56.0 | 1.34 | 5.42 | 0.51 |
| 140700 | | <0.5 | 0.08 | 0.10 | 627 | <1 | 8.1 | 0.61 | 162 | 86 | 9.66 | 10.45 | 53.7 | 1.49 | 5.31 | 0.57 |
| 140751 | | <0.5 | 0.08 | 0.12 | 700 | 1 | 8.8 | 0.60 | 163 | 100 | 10.35 | 10.60 | 54.0 | 1.62 | 5.36 | 0.64 |
| 140752 | | <0.5 | 0.13 | 0.12 | 709 | <1 | 8.8 | 0.71 | 166 | 96 | 12.55 | 11.90 | 54.5 | 2.45 | 5.69 | 1.05 |
| 140753 | | <0.5 | 0.11 | 0.12 | 644 | 19 | 9.7 | 0.74 | 175 | 100 | 11.10 | 10.40 | 50.6 | 1.80 | 5.17 | 0.71 |
| 140754 | | <0.5 | 0.13 | 0.14 | 899 | 129 | 11.5 | 0.90 | 165 | 123 | 18.50 | 11.40 | 49.1 | 2.56 | 5.12 | 1.07 |
| 140755 | | <0.5 | 0.14 | 0.16 | 602 | 1 | 12.7 | 0.92 | 193 | 127 | 17.30 | 11.35 | 45.8 | 2.78 | 5.10 | 1.16 |
| 140756 | | <0.5 | 0.21 | 0.20 | 567 | 1 | 16.6 | 1.24 | 203 | 155 | 24.3 | 12.20 | 42.3 | 3.42 | 5.06 | 1.54 |
| 140757 | | <0.5 | 0.20 | 0.22 | 552 | 1 | 16.8 | 1.27 | 196 | 167 | 26.0 | 12.10 | 40.3 | 3.64 | 5.04 | 1.61 |
| 140758 | | <0.5 | 0.19 | 0.23 | 501 | 1 | 15.9 | 1.28 | 203 | 160 | 25.7 | 12.20 | 40.6 | 3.52 | 5.13 | 1.58 |
| 140759 | | <0.5 | 0.19 | 0.24 | 606 | 1 | 17.2 | 1.33 | 201 | 178 | 25.4 | 12.25 | 40.8 | 3.61 | 5.31 | 1.62 |
| 140760 | | <0.5 | 0.17 | 0.21 | 558 | <1 | 15.4 | 1.18 | 195 | 153 | 25.3 | 12.75 | 40.5 | 3.63 | 5.08 | 1.64 |
| 140761 | | <0.5 | 0.18 | 0.22 | 563 | 1 | 16.9 | 1.34 | 205 | 167 | 28.4 | 12.90 | 36.7 | 4.12 | 5.28 | 1.82 |
| 140762 | | <0.5 | 0.18 | 0.13 | 438 | 1 | 13.3 | 1.08 | 205 | 132 | 31.0 | 13.90 | 33.6 | 4.74 | 4.91 | 2.09 |
| 140763 | | <0.5 | 0.24 | 0.21 | 432 | 1 | 18.9 | 1.39 | 215 | 176 | 33.2 | 13.25 | 30.8 | 4.80 | 4.94 | 2.21 |
| 140764 | | <0.5 | 0.26 | 0.69 | 70 | 1 | 16.1 | 1.76 | 70 | 185 | 67.1 | 12.55 | 5.08 | 2.70 | 2.39 | 2.81 |
| 140765 | | <0.5 | 0.04 | <0.05 | 171 | 1 | 3.4 | 0.29 | 201 | 67 | 7.34 | 11.30 | 60.0 | 1.15 | 5.98 | 0.44 |
| 140766 | | <0.5 | 0.04 | <0.05 | 257 | <1 | 3.3 | 0.30 | 179 | 64 | 7.50 | 11.25 | 59.6 | 1.26 | 6.09 | 0.50 |
| 140767 | | <0.5 | 0.05 | <0.05 | 190 | 2 | 3.9 | 0.31 | 177 | 70 | 6.96 | 11.05 | 60.9 | 1.05 | 6.22 | 0.42 |
| 140768 | | <0.5 | 0.08 | <0.05 | 211 | 4 | 6.0 | 0.40 | 219 | 73 | 11.35 | 11.25 | 57.0 | 1.74 | 6.22 | 0.77 |
| 140769 | | <0.5 | 0.03 | 0.07 | 392 | 1 | 4.2 | 0.27 | 191 | 57 | 9.54 | 10.95 | 59.7 | 1.56 | 5.79 | 0.60 |
| 140770 | | <0.5 | 0.05 | 0.14 | 435 | 1 | 6.4 | 0.44 | 176 | 71 | 9.62 | 10.65 | 59.4 | 1.54 | 5.62 | 0.66 |
| 140771 | | <0.5 | 0.05 | 0.09 | 238 | 1 | 5.9 | 0.43 | 181 | 73 | 6.70 | 9.55 | 63.9 | 0.92 | 6.11 | 0.37 |
| 140772 | | <0.5 | 0.07 | 0.09 | 445 | 4 | 6.8 | 0.46 | 183 | 73 | 16.20 | 11.40 | 51.0 | 2.48 | 5.85 | 1.09 |
| 140773 | | <0.5 | 0.07 | 0.07 | 219 | <1 | 5.6 | 0.40 | 168 | 61 | 9.75 | 10.90 | 59.5 | 1.56 | 5.92 | 0.64 |
| 140774 | | <0.5 | 0.06 | 0.07 | 223 | <1 | 5.0 | 0.37 | 162 | 58 | 8.08 | 10.15 | 58.5 | 1.30 | 5.73 | 0.46 |
| 140775 | | <0.5 | 0.04 | <0.05 | 360 | 1 | 3.8 | 0.27 | 166 | 54 | 8.09 | 10.55 | 60.5 | 1.32 | 5.66 | 0.53 |
| 140776 | | <0.5 | 0.04 | <0.05 | 526 | <1 | 3.3 | 0.26 | 140 | 47 | 5.51 | 10.00 | 64.9 | 0.90 | 5.89 | 0.31 |
| 140777 | | <0.5 | 0.06 | <0.05 | 445 | <1 | 5.9 | 0.38 | 160 | 58 | 6.79 | 10.20 | 62.2 | 1.14 | 6.09 | 0.41 |
| 140778 | | <0.5 | 0.05 | <0.05 | 258 | 1 | 3.8 | 0.34 | 192 | 50 | 5.94 | 10.30 | 63.5 | 0.93 | 5.96 | 0.33 |
| 140779 | | <0.5 | 0.04 | <0.05 | 265 | 1 | 3.7 | 0.23 | 182 | 52 | 5.96 | 10.15 | 63.8 | 1.00 | 5.87 | 0.35 |
| 140780 | | <0.5 | 0.02 | <0.05 | 342 | 1 | 2.8 | 0.24 | 170 | 43 | 5.48 | 10.05 | 63.2 | 0.87 | 5.65 | 0.32 |



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À: MAGPIE MINES

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Finalisée date: 29-JUIN-2009

Compte: MAGPIE

Projet: MAGPIE

| |
|---------------------------------|
| CERTIFICAT D'ANALYSE VO09064338 |
|---------------------------------|

| Description échantillon | Méthode | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | OA-GRA05 | TOT-ICP06 |
|-------------------------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | élément | K2O | Cr2O3 | TiO2 | MnO | P2O5 | SrO | BaO | LOI | Total |
| | unités L.D. | % | % | % | % | % | % | % | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 140691 | | 0.20 | 1.33 | 11.25 | 0.21 | 0.14 | 0.01 | 0.01 | -1.85 | 92.2 |
| 140692 | | 0.19 | 1.33 | 11.10 | 0.21 | 0.15 | 0.01 | 0.01 | -2.40 | 90.7 |
| 140693 | | 0.33 | 1.14 | 10.50 | 0.21 | 0.37 | 0.02 | 0.02 | -2.18 | 90.7 |
| 140694 | | 0.29 | 1.19 | 10.75 | 0.20 | 0.25 | 0.01 | 0.02 | -2.28 | 89.5 |
| 140695 | | 0.35 | 1.17 | 10.75 | 0.21 | 0.29 | 0.01 | 0.02 | -1.98 | 90.6 |
| 140696 | | 0.22 | 1.16 | 11.05 | 0.21 | 0.17 | 0.01 | 0.01 | -1.49 | 91.7 |
| 140697 | | 0.26 | 1.14 | 10.85 | 0.21 | 0.18 | 0.02 | 0.02 | -1.94 | 91.6 |
| 140698 | | 0.30 | 1.11 | 10.60 | 0.21 | 0.21 | 0.02 | 0.02 | -2.14 | 90.9 |
| 140699 | | 0.31 | 1.11 | 10.85 | 0.21 | 0.21 | 0.02 | 0.02 | -2.53 | 92.7 |
| 140700 | | 0.37 | 1.03 | 10.40 | 0.20 | 0.28 | 0.02 | 0.03 | -2.38 | 91.1 |
| 140751 | | 0.40 | 1.00 | 10.50 | 0.21 | 0.31 | 0.02 | 0.03 | -2.40 | 92.6 |
| 140752 | | 0.59 | 0.92 | 10.65 | 0.22 | 0.40 | 0.02 | 0.04 | -1.17 | 99.8 |
| 140753 | | 0.41 | 0.92 | 9.89 | 0.20 | 0.31 | 0.02 | 0.03 | -1.29 | 90.3 |
| 140754 | | 0.59 | 0.80 | 9.56 | 0.20 | 0.44 | 0.03 | 0.04 | -1.59 | 97.8 |
| 140755 | | 0.59 | 0.72 | 9.02 | 0.19 | 0.45 | 0.03 | 0.04 | -1.68 | 92.9 |
| 140756 | | 0.79 | 0.62 | 8.45 | 0.19 | 0.62 | 0.03 | 0.06 | -0.78 | 98.8 |
| 140757 | | 0.83 | 0.60 | 8.10 | 0.19 | 0.62 | 0.04 | 0.06 | -0.70 | 98.4 |
| 140758 | | 0.82 | 0.62 | 8.13 | 0.19 | 0.54 | 0.04 | 0.06 | -0.79 | 98.3 |
| 140759 | | 0.86 | 0.64 | 8.05 | 0.19 | 0.62 | 0.03 | 0.06 | -0.99 | 98.5 |
| 140760 | | 0.80 | 0.75 | 7.88 | 0.18 | 0.60 | 0.04 | 0.06 | -0.89 | 98.3 |
| 140761 | | 0.86 | 0.65 | 7.12 | 0.18 | 0.65 | 0.05 | 0.06 | -0.79 | 98.0 |
| 140762 | | 0.84 | 0.45 | 6.77 | 0.17 | 0.58 | 0.05 | 0.06 | -0.70 | 98.5 |
| 140763 | | 1.08 | 0.46 | 6.37 | 0.18 | 0.80 | 0.05 | 0.08 | -0.29 | 97.9 |
| 140764 | | 3.36 | 0.01 | 1.16 | 0.07 | 0.31 | 0.04 | 0.07 | 0.50 | 98.2 |
| 140765 | | 0.21 | 2.36 | 10.15 | 0.21 | 0.17 | <0.01 | <0.01 | -1.08 | 98.2 |
| 140766 | | 0.22 | 2.51 | 10.10 | 0.21 | 0.18 | <0.01 | <0.01 | -1.49 | 97.9 |
| 140767 | | 0.22 | 1.96 | 10.30 | 0.21 | 0.20 | <0.01 | <0.01 | -1.68 | 97.8 |
| 140768 | | 0.36 | 1.58 | 9.84 | 0.20 | 0.28 | 0.01 | 0.01 | -1.78 | 98.8 |
| 140769 | | 0.25 | 1.86 | 10.35 | 0.21 | 0.20 | 0.01 | <0.01 | -1.68 | 99.3 |
| 140770 | | 0.34 | 1.80 | 10.30 | 0.21 | 0.28 | <0.01 | <0.01 | -1.67 | 98.8 |
| 140771 | | 0.29 | 1.69 | 11.00 | 0.22 | 0.26 | <0.01 | <0.01 | -2.33 | 98.7 |
| 140772 | | 0.45 | 1.57 | 8.56 | 0.20 | 0.30 | 0.03 | 0.03 | -1.07 | 98.1 |
| 140773 | | 0.32 | 1.74 | 10.50 | 0.21 | 0.26 | 0.01 | <0.01 | -2.30 | 99.0 |
| 140774 | | 0.19 | 1.57 | 10.70 | 0.21 | 0.17 | <0.01 | <0.01 | -2.09 | 95.0 |
| 140775 | | 0.24 | 1.72 | 10.95 | 0.22 | 0.19 | <0.01 | <0.01 | -1.02 | 99.0 |
| 140776 | | 0.17 | 1.85 | 11.20 | 0.22 | 0.15 | <0.01 | <0.01 | -2.74 | 98.4 |
| 140777 | | 0.24 | 1.76 | 10.95 | 0.22 | 0.32 | <0.01 | <0.01 | -1.70 | 98.6 |
| 140778 | | 0.21 | 1.70 | 11.05 | 0.21 | 0.21 | <0.01 | <0.01 | -2.18 | 98.2 |
| 140779 | | 0.16 | 1.78 | 11.10 | 0.22 | 0.24 | <0.01 | <0.01 | -2.07 | 98.6 |
| 140780 | | 0.16 | 1.88 | 11.35 | 0.21 | 0.14 | <0.01 | <0.01 | -1.68 | 97.6 |



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Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode élément unités L.D. | WEI-21 Poids reçu kg | ME-MS81 Ag ppm | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Co ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Cu ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm |
|-------------------------|-----------------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | 0.02 | 1 | 0.5 | 0.5 | 0.5 | 10 | 0.01 | 5 | 0.05 | 0.03 | 0.03 | 0.1 | 0.05 | 0.2 |
| 140781 | | 4.50 | <1 | 90.6 | 7.3 | 17.6 | 40 | 0.26 | <5 | 0.44 | 0.26 | 0.28 | 33.8 | 0.80 | 1.2 | 0.09 |
| 140782 | | 4.35 | <1 | 74.1 | 7.2 | 44.4 | 90 | 0.02 | 5 | 0.55 | 0.22 | 0.27 | 33.4 | 0.73 | 1.2 | 0.06 |
| 140783 | | 4.09 | <1 | 74.2 | 7.5 | 29.9 | 80 | 0.05 | 5 | 0.54 | 0.30 | 0.25 | 32.6 | 0.91 | 1.3 | 0.06 |
| 140784 | | 3.64 | <1 | 85.3 | 7.9 | 27.7 | 40 | 0.03 | <5 | 0.57 | 0.28 | 0.29 | 34.0 | 0.88 | 1.2 | 0.05 |
| 140785 | | 0.68 | <1 | 149.0 | 14.2 | 32.7 | 90 | 0.07 | 291 | 0.99 | 0.47 | 0.51 | 34.5 | 1.39 | 1.5 | 0.14 |
| 140786 | | 4.58 | <1 | 90.2 | 8.9 | 28.0 | 40 | 0.02 | 5 | 0.63 | 0.32 | 0.31 | 33.0 | 0.95 | 1.3 | 0.07 |
| 140787 | | 4.34 | <1 | 99.5 | 8.8 | 29.1 | 60 | 0.04 | <5 | 0.65 | 0.34 | 0.38 | 34.1 | 0.93 | 1.3 | 0.08 |
| 140788 | | 4.36 | <1 | 77.7 | 7.9 | 35.6 | 60 | 0.01 | 5 | 0.63 | 0.26 | 0.27 | 35.5 | 0.87 | 1.2 | 0.06 |
| 140789 | | 4.44 | <1 | 66.7 | 6.5 | 40.4 | 80 | 0.01 | <5 | 0.43 | 0.24 | 0.23 | 37.7 | 0.74 | 1.2 | 0.04 |
| 140790 | | 4.39 | <1 | 73.7 | 7.5 | 26.7 | 90 | 0.02 | 7 | 0.51 | 0.29 | 0.29 | 31.5 | 0.76 | 1.2 | 0.06 |
| 140791 | | 4.08 | <1 | 74.7 | 7.2 | 31.4 | 60 | 0.04 | 11 | 0.54 | 0.25 | 0.26 | 30.9 | 0.85 | 1.0 | 0.05 |
| 140792 | | 4.54 | <1 | 78.7 | 7.5 | 39.3 | 70 | 0.03 | 9 | 0.57 | 0.27 | 0.28 | 33.7 | 0.90 | 1.2 | 0.06 |
| 140793 | | 3.41 | <1 | 83.4 | 7.9 | 33.5 | 70 | 0.03 | <5 | 0.57 | 0.29 | 0.29 | 32.2 | 0.88 | 1.1 | 0.07 |
| 140944 | | 2.60 | <1 | 150.0 | 13.6 | 42.3 | 170 | 0.03 | 5 | 1.01 | 0.49 | 0.60 | 34.5 | 1.51 | 1.6 | 0.13 |
| 140945 | | 4.00 | <1 | 120.0 | 11.6 | 43.7 | 120 | 0.01 | <5 | 0.83 | 0.42 | 0.42 | 32.8 | 1.29 | 1.4 | 0.11 |
| 140946 | | 4.14 | <1 | 116.5 | 12.5 | 38.2 | 90 | 0.04 | 9 | 0.93 | 0.44 | 0.47 | 35.8 | 1.42 | 1.5 | 0.12 |
| 140947 | | 3.81 | <1 | 149.0 | 11.4 | 24.4 | 120 | 0.02 | 7 | 0.90 | 0.43 | 0.52 | 44.3 | 1.29 | 2.0 | 0.14 |
| 140948 | | 4.00 | <1 | 105.5 | 9.0 | 28.8 | 70 | <0.01 | 7 | 0.67 | 0.34 | 0.38 | 41.2 | 0.94 | 1.7 | 0.09 |
| 140949 | | 3.83 | <1 | 204 | 20.0 | 33.9 | 140 | 0.04 | 6 | 1.49 | 0.74 | 0.72 | 40.4 | 2.17 | 2.2 | 0.22 |
| 140950 | | 4.09 | <1 | 131.5 | 12.3 | 32.0 | 150 | 0.02 | 12 | 0.95 | 0.41 | 0.51 | 37.7 | 1.30 | 2.3 | 0.12 |
| 140951 | | 4.21 | <1 | 83.0 | 7.3 | 29.9 | 120 | <0.01 | 18 | 0.52 | 0.25 | 0.31 | 37.9 | 0.79 | 1.3 | 0.07 |
| 140952 | | 4.34 | 2 | 71.8 | 7.3 | 35.0 | 60 | <0.01 | 15 | 0.53 | 0.25 | 0.24 | 37.0 | 0.87 | 1.2 | 0.05 |
| 140953 | | 4.20 | <1 | 63.7 | 6.5 | 35.0 | 40 | <0.01 | 15 | 0.47 | 0.19 | 0.23 | 40.1 | 0.64 | 1.1 | 0.04 |
| 140954 | | 4.11 | <1 | 112.5 | 8.6 | 23.9 | 120 | 0.02 | 7 | 0.60 | 0.28 | 0.30 | 34.9 | 0.90 | 1.3 | 0.11 |
| 140955 | | 4.22 | <1 | 128.0 | 12.9 | 26.1 | 70 | 0.02 | 5 | 0.89 | 0.45 | 0.54 | 37.3 | 1.42 | 1.4 | 0.17 |
| 140956 | | 4.72 | <1 | 112.0 | 11.6 | 24.7 | 70 | 0.02 | 6 | 0.80 | 0.41 | 0.41 | 35.9 | 1.34 | 1.3 | 0.15 |
| 140957 | | 4.31 | <1 | 147.0 | 13.9 | 26.7 | 110 | 0.03 | 5 | 0.91 | 0.48 | 0.51 | 37.2 | 1.45 | 1.5 | 0.18 |
| 140958 | | 4.58 | <1 | 144.0 | 13.9 | 28.4 | 100 | 0.03 | <5 | 0.92 | 0.47 | 0.46 | 36.1 | 1.47 | 1.6 | 0.17 |
| 140959 | | 4.40 | <1 | 107.5 | 10.7 | 31.5 | 100 | <0.01 | 7 | 0.77 | 0.35 | 0.38 | 37.6 | 1.14 | 1.4 | 0.08 |
| 140960 | | 4.22 | <1 | 138.0 | 11.2 | 33.5 | 190 | <0.01 | 14 | 0.75 | 0.38 | 0.49 | 40.2 | 1.06 | 1.4 | 0.09 |
| 140961 | | 4.31 | <1 | 146.0 | 13.3 | 30.6 | 130 | 0.02 | 13 | 0.99 | 0.46 | 0.50 | 37.3 | 1.32 | 1.5 | 0.11 |
| 140962 | | 4.03 | <1 | 145.5 | 13.4 | 31.4 | 100 | 0.02 | 15 | 0.92 | 0.41 | 0.52 | 36.8 | 1.44 | 1.5 | 0.11 |
| 140963 | | 4.17 | <1 | 140.5 | 14.4 | 23.9 | 50 | 0.01 | 10 | 1.04 | 0.50 | 0.52 | 35.3 | 1.50 | 1.7 | 0.13 |
| 140964 | | 4.23 | <1 | 145.5 | 11.7 | 27.9 | 100 | 0.02 | 14 | 0.73 | 0.44 | 0.48 | 37.2 | 1.15 | 1.4 | 0.09 |
| 140965 | | 4.19 | <1 | 175.0 | 14.8 | 30.3 | 150 | 0.03 | 14 | 1.08 | 0.49 | 0.63 | 38.3 | 1.60 | 1.5 | 0.14 |
| 140966 | | 4.22 | <1 | 125.0 | 11.8 | 32.0 | 130 | 0.03 | 13 | 0.86 | 0.43 | 0.47 | 33.7 | 1.17 | 1.4 | 0.10 |
| 140967 | | 4.31 | <1 | 129.0 | 11.8 | 34.5 | 110 | 0.02 | 12 | 0.81 | 0.36 | 0.48 | 35.4 | 1.24 | 1.3 | 0.10 |
| 140968 | | 3.68 | <1 | 154.5 | 13.7 | 33.7 | 100 | 0.01 | 12 | 0.94 | 0.47 | 0.50 | 36.7 | 1.47 | 1.5 | 0.11 |
| 140969 | | 4.20 | <1 | 115.0 | 11.8 | 27.9 | 40 | 0.01 | 11 | 0.90 | 0.40 | 0.41 | 34.6 | 1.21 | 1.4 | 0.09 |
| 140970 | | 4.05 | <1 | 123.0 | 12.7 | 34.5 | 50 | 0.01 | 10 | 0.94 | 0.40 | 0.46 | 38.5 | 1.30 | 1.4 | 0.11 |



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Compte: MAGPIE

Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | |
|-------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
| | élément | La | Lu | Mo | Nb | Nd | Ni | Pb | Pr | Rb | Sm | Sn | Sr | Ta | Tb | Th |
| | unités L.D. | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.5 | 0.01 | 2 | 0.2 | 0.1 | 5 | 5 | 0.03 | 0.2 | 0.03 | 1 | 0.1 | 0.1 | 0.01 | 0.05 |
| 140781 | | 3.7 | 0.03 | <2 | 0.4 | 4.2 | 7 | <5 | 0.94 | 2.5 | 0.79 | <1 | 66.7 | <0.1 | 0.11 | 0.11 |
| 140782 | | 2.8 | 0.03 | <2 | 0.6 | 4.2 | 7 | <5 | 0.99 | 2.1 | 0.88 | <1 | 48.2 | <0.1 | 0.11 | 0.16 |
| 140783 | | 2.8 | 0.03 | <2 | 0.8 | 4.4 | 5 | <5 | 1.00 | 2.6 | 0.94 | 1 | 42.4 | <0.1 | 0.11 | 0.18 |
| 140784 | | 3.0 | 0.03 | <2 | 0.8 | 4.8 | <5 | <5 | 1.06 | 2.3 | 0.95 | <1 | 54.2 | <0.1 | 0.12 | 0.18 |
| 140785 | | 6.5 | 0.05 | <2 | 1.2 | 8.2 | 13 | <5 | 1.92 | 4.6 | 1.54 | 27 | 100.0 | <0.1 | 0.20 | 0.42 |
| 140786 | | 3.8 | 0.03 | <2 | 0.9 | 5.3 | 6 | <5 | 1.22 | 2.6 | 1.15 | 1 | 52.0 | <0.1 | 0.14 | 0.20 |
| 140787 | | 3.8 | 0.04 | <2 | 0.8 | 5.2 | 9 | <5 | 1.22 | 2.6 | 0.94 | 1 | 69.1 | <0.1 | 0.12 | 0.20 |
| 140788 | | 4.2 | 0.03 | <2 | 0.7 | 4.5 | 8 | <5 | 1.08 | 2.1 | 1.01 | <1 | 49.1 | <0.1 | 0.12 | 0.22 |
| 140789 | | 3.0 | 0.03 | <2 | 0.5 | 3.8 | 8 | 9 | 0.87 | 1.7 | 0.72 | <1 | 39.9 | <0.1 | 0.10 | 0.18 |
| 140790 | | 3.4 | 0.03 | <2 | 0.6 | 4.4 | 8 | <5 | 0.98 | 1.9 | 0.84 | <1 | 43.5 | <0.1 | 0.11 | 0.19 |
| 140791 | | 3.6 | 0.02 | <2 | 0.7 | 4.2 | <5 | <5 | 0.98 | 1.9 | 0.84 | <1 | 40.4 | <0.1 | 0.09 | 0.17 |
| 140792 | | 3.7 | 0.03 | <2 | 0.6 | 4.4 | 5 | <5 | 1.03 | 1.9 | 0.85 | <1 | 47.6 | <0.1 | 0.11 | 0.19 |
| 140793 | | 3.5 | 0.03 | <2 | 0.7 | 4.6 | 6 | <5 | 1.08 | 2.0 | 0.98 | <1 | 52.8 | <0.1 | 0.12 | 0.16 |
| 140944 | | 16.9 | 0.04 | <2 | 0.9 | 7.8 | 16 | <5 | 1.86 | 3.8 | 1.55 | 1 | 93.6 | <0.1 | 0.20 | 0.30 |
| 140945 | | 6.0 | 0.05 | <2 | 0.8 | 6.8 | 12 | <5 | 1.55 | 3.3 | 1.31 | <1 | 53.1 | <0.1 | 0.18 | 0.28 |
| 140946 | | 6.3 | 0.05 | <2 | 0.9 | 7.4 | 11 | <5 | 1.67 | 3.4 | 1.40 | 1 | 51.8 | <0.1 | 0.19 | 0.28 |
| 140947 | | 6.0 | <0.01 | <2 | 1.2 | 6.8 | 26 | <5 | 1.60 | 3.3 | 1.33 | 1 | 112.5 | <0.1 | 0.16 | 0.20 |
| 140948 | | 5.2 | <0.01 | <2 | 0.9 | 5.4 | 16 | <5 | 1.23 | 2.5 | 1.08 | 1 | 73.6 | <0.1 | 0.12 | 0.12 |
| 140949 | | 9.1 | 0.01 | <2 | 1.5 | 12.0 | 28 | <5 | 2.71 | 6.6 | 2.34 | 1 | 103.0 | <0.1 | 0.26 | 0.35 |
| 140950 | | 7.3 | <0.01 | <2 | 0.9 | 7.4 | 27 | <5 | 1.66 | 3.1 | 1.38 | 1 | 111.5 | <0.1 | 0.17 | 0.25 |
| 140951 | | 4.5 | <0.01 | <2 | 0.6 | 4.4 | 20 | <5 | 0.97 | 2.1 | 0.75 | 1 | 68.1 | <0.1 | 0.08 | 0.11 |
| 140952 | | 5.2 | <0.01 | <2 | 0.7 | 4.2 | 15 | <5 | 0.97 | 2.0 | 0.85 | 1 | 50.5 | <0.1 | 0.09 | 0.10 |
| 140953 | | 5.1 | <0.01 | <2 | 0.7 | 3.8 | 9 | <5 | 0.85 | 1.6 | 0.76 | 1 | 51.2 | <0.1 | 0.05 | 0.09 |
| 140954 | | 3.4 | 0.02 | <2 | 0.8 | 4.8 | 14 | <5 | 1.13 | 2.4 | 1.04 | <1 | 82.9 | <0.1 | 0.10 | 0.08 |
| 140955 | | 6.9 | 0.03 | <2 | 0.9 | 7.2 | 15 | <5 | 1.76 | 3.7 | 1.40 | <1 | 65.5 | <0.1 | 0.20 | 0.23 |
| 140956 | | 5.9 | 0.03 | <2 | 0.9 | 6.9 | 13 | <5 | 1.54 | 3.3 | 1.35 | <1 | 59.9 | <0.1 | 0.18 | 0.22 |
| 140957 | | 7.4 | 0.03 | <2 | 1.0 | 8.1 | 21 | <5 | 1.85 | 4.3 | 1.60 | <1 | 90.3 | <0.1 | 0.20 | 0.25 |
| 140958 | | 21.7 | 0.03 | <2 | 1.0 | 7.8 | 26 | <5 | 1.88 | 4.5 | 1.58 | <1 | 83.2 | <0.1 | 0.21 | 0.27 |
| 140959 | | 6.7 | <0.01 | <2 | 0.8 | 6.1 | 18 | <5 | 1.43 | 2.9 | 1.20 | 1 | 73.0 | <0.1 | 0.11 | 0.15 |
| 140960 | | 6.6 | <0.01 | <2 | 1.0 | 6.7 | 34 | <5 | 1.48 | 3.2 | 1.28 | 1 | 144.0 | <0.1 | 0.11 | 0.15 |
| 140961 | | 7.6 | <0.01 | <2 | 1.1 | 7.7 | 23 | <5 | 1.72 | 3.9 | 1.42 | 1 | 123.5 | <0.1 | 0.15 | 0.20 |
| 140962 | | 8.3 | <0.01 | <2 | 1.1 | 8.1 | 27 | <5 | 1.77 | 3.6 | 1.57 | 1 | 129.0 | <0.1 | 0.15 | 0.17 |
| 140963 | | 8.1 | <0.01 | <2 | 1.2 | 8.4 | 16 | 42 | 1.96 | 3.9 | 1.62 | 1 | 86.4 | <0.1 | 0.18 | 0.21 |
| 140964 | | 6.3 | <0.01 | <2 | 1.2 | 6.7 | 20 | <5 | 1.49 | 3.4 | 1.32 | 1 | 131.5 | <0.1 | 0.12 | 0.14 |
| 140965 | | 8.7 | <0.01 | <2 | 1.2 | 8.6 | 27 | <5 | 1.98 | 4.1 | 1.64 | 1 | 145.5 | <0.1 | 0.16 | 0.22 |
| 140966 | | 7.1 | <0.01 | <2 | 0.7 | 6.6 | 23 | <5 | 1.52 | 3.6 | 1.38 | 1 | 85.1 | <0.1 | 0.13 | 0.18 |
| 140967 | | 6.2 | <0.01 | <2 | 0.8 | 7.0 | 20 | <5 | 1.57 | 3.2 | 1.31 | 1 | 97.0 | <0.1 | 0.12 | 0.17 |
| 140968 | | 8.2 | <0.01 | <2 | 1.0 | 8.0 | 24 | <5 | 1.80 | 4.2 | 1.46 | 1 | 114.5 | <0.1 | 0.14 | 0.20 |
| 140969 | | 6.5 | <0.01 | <2 | 1.0 | 7.0 | 11 | <5 | 1.56 | 3.1 | 1.38 | 1 | 59.7 | <0.1 | 0.12 | 0.16 |
| 140970 | | 7.8 | <0.01 | <2 | 0.9 | 7.6 | 13 | <5 | 1.72 | 3.3 | 1.36 | 1 | 66.9 | <0.1 | 0.14 | 0.20 |



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Nombre total de pages: 5 (A - D)
Finalisée date: 29-JUIN-2009
Compte: MAGPIE

Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 |
|-------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | élément | TI | Tm | U | V | W | Y | Yb | Zn | Zr | SiO2 | Al2O3 | Fe2O3 | CaO | MgO | Na2O |
| | unités L.D. | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % |
| | | 0.5 | 0.01 | 0.05 | 5 | 1 | 0.5 | 0.03 | 5 | 2 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 140781 | | <0.5 | 0.03 | <0.05 | 651 | 4 | 2.6 | 0.17 | 117 | 41 | 4.37 | 9.17 | 59.7 | 0.69 | 5.16 | 0.30 |
| 140782 | | <0.5 | 0.02 | <0.05 | 158 | <1 | 2.4 | 0.23 | 204 | 43 | 3.81 | 9.65 | 59.6 | 0.63 | 5.71 | 0.16 |
| 140783 | | <0.5 | 0.04 | <0.05 | 338 | 1 | 2.6 | 0.20 | 159 | 47 | 3.84 | 10.15 | 64.6 | 0.58 | 5.98 | 0.22 |
| 140784 | | <0.5 | 0.03 | <0.05 | 354 | <1 | 2.8 | 0.20 | 155 | 42 | 4.75 | 10.25 | 63.9 | 0.69 | 5.86 | 0.23 |
| 140785 | | <0.5 | 0.06 | <0.05 | 294 | 3 | 4.6 | 0.38 | 170 | 56 | 7.91 | 10.95 | 61.1 | 1.20 | 6.01 | 0.49 |
| 140786 | | <0.5 | 0.04 | <0.05 | 326 | 1 | 3.0 | 0.22 | 162 | 46 | 4.24 | 9.72 | 61.7 | 0.67 | 5.79 | 0.13 |
| 140787 | | <0.5 | 0.07 | <0.05 | 320 | 1 | 3.0 | 0.23 | 159 | 46 | 5.45 | 10.35 | 64.1 | 0.81 | 5.95 | 0.29 |
| 140788 | | <0.5 | 0.05 | <0.05 | 215 | 1 | 2.8 | 0.18 | 184 | 42 | 4.28 | 10.10 | 65.9 | 0.63 | 6.03 | 0.22 |
| 140789 | | <0.5 | 0.02 | <0.05 | 139 | 2 | 2.3 | 0.14 | 205 | 38 | 3.31 | 9.17 | 60.4 | 0.52 | 5.55 | 0.10 |
| 140790 | | <0.5 | 0.03 | <0.05 | 233 | 1 | 2.6 | 0.18 | 154 | 46 | 3.48 | 9.15 | 58.7 | 0.58 | 5.53 | 0.12 |
| 140791 | | <0.5 | 0.02 | <0.05 | 238 | 1 | 2.4 | 0.18 | 165 | 40 | 3.61 | 9.89 | 64.3 | 0.61 | 5.91 | 0.12 |
| 140792 | | <0.5 | 0.02 | <0.05 | 150 | 1 | 2.5 | 0.19 | 189 | 40 | 3.82 | 10.20 | 61.1 | 0.64 | 5.89 | 0.16 |
| 140793 | | <0.5 | 0.04 | <0.05 | 190 | 1 | 2.7 | 0.20 | 166 | 41 | 4.49 | 10.55 | 64.0 | 0.70 | 6.06 | 0.28 |
| 140944 | | <0.5 | 0.06 | <0.05 | 178 | 1 | 4.6 | 0.35 | 189 | 58 | 8.11 | 10.95 | 61.3 | 1.20 | 6.29 | 0.49 |
| 140945 | | <0.5 | 0.04 | <0.05 | 148 | 2 | 3.9 | 0.27 | 190 | 55 | 5.06 | 10.60 | 63.5 | 0.76 | 6.09 | 0.32 |
| 140946 | | <0.5 | 0.06 | <0.05 | 195 | 2 | 4.3 | 0.32 | 195 | 57 | 4.57 | 9.41 | 59.0 | 0.74 | 5.72 | 0.21 |
| 140947 | | <0.5 | 0.02 | <0.05 | 628 | 1 | 4.0 | 0.23 | 145 | 73 | 7.86 | 10.35 | 60.2 | 1.23 | 5.81 | 0.54 |
| 140948 | | <0.5 | 0.01 | <0.05 | 367 | 1 | 3.1 | 0.11 | 165 | 63 | 4.87 | 9.88 | 61.2 | 0.81 | 5.77 | 0.23 |
| 140949 | | <0.5 | 0.06 | <0.05 | 322 | 1 | 6.9 | 0.39 | 172 | 81 | 8.37 | 10.55 | 61.2 | 1.26 | 5.76 | 0.55 |
| 140950 | | <0.5 | 0.02 | <0.05 | 312 | 2 | 4.4 | 0.25 | 170 | 91 | 7.68 | 10.70 | 60.6 | 1.29 | 5.86 | 0.47 |
| 140951 | | <0.5 | <0.01 | <0.05 | 305 | 1 | 2.7 | 0.05 | 169 | 49 | 4.77 | 10.40 | 61.8 | 0.80 | 5.90 | 0.32 |
| 140952 | | <0.5 | <0.01 | <0.05 | 255 | 2 | 2.6 | 0.09 | 178 | 45 | 3.76 | 10.05 | 59.5 | 0.63 | 5.87 | 0.14 |
| 140953 | | <0.5 | <0.01 | <0.05 | 348 | 4 | 2.4 | <0.03 | 179 | 44 | 3.44 | 10.20 | 63.9 | 0.62 | 5.83 | 0.22 |
| 140954 | | <0.5 | 0.02 | <0.05 | 387 | 2 | 2.8 | 0.24 | 150 | 50 | 6.42 | 10.55 | 62.6 | 1.08 | 5.90 | 0.43 |
| 140955 | | <0.5 | 0.03 | 0.07 | 371 | 2 | 4.2 | 0.36 | 160 | 53 | 5.43 | 10.60 | 63.2 | 0.86 | 5.94 | 0.36 |
| 140956 | | <0.5 | 0.02 | 0.06 | 369 | <1 | 4.1 | 0.30 | 159 | 51 | 4.76 | 10.05 | 65.0 | 0.77 | 6.01 | 0.31 |
| 140957 | | <0.5 | 0.04 | 0.07 | 387 | 1 | 4.8 | 0.33 | 168 | 59 | 6.98 | 10.45 | 62.0 | 1.12 | 6.08 | 0.48 |
| 140958 | | <0.5 | 0.06 | 0.08 | 448 | 1 | 4.6 | 0.34 | 170 | 64 | 6.48 | 10.50 | 62.9 | 1.02 | 5.90 | 0.41 |
| 140959 | | <0.5 | 0.01 | <0.05 | 285 | 2 | 3.7 | 0.11 | 169 | 55 | 5.47 | 10.65 | 62.0 | 0.88 | 5.94 | 0.34 |
| 140960 | | <0.5 | 0.02 | <0.05 | 329 | <1 | 3.8 | 0.12 | 177 | 54 | 8.54 | 11.30 | 57.4 | 1.56 | 5.80 | 0.62 |
| 140961 | | <0.5 | 0.01 | <0.05 | 345 | 2 | 4.4 | 0.20 | 168 | 61 | 7.93 | 11.00 | 59.3 | 1.38 | 5.79 | 0.57 |
| 140962 | | <0.5 | 0.02 | <0.05 | 374 | 3 | 4.5 | 0.17 | 172 | 59 | 8.54 | 11.45 | 59.6 | 1.52 | 5.86 | 0.61 |
| 140963 | | <0.5 | 0.01 | <0.05 | 406 | 2 | 5.0 | 0.24 | 149 | 69 | 6.42 | 10.95 | 61.9 | 1.10 | 5.68 | 0.47 |
| 140964 | | <0.5 | <0.01 | <0.05 | 365 | 2 | 3.8 | 0.14 | 161 | 54 | 8.70 | 11.60 | 59.2 | 1.55 | 5.76 | 0.65 |
| 140965 | | <0.5 | <0.01 | <0.05 | 385 | 3 | 4.9 | 0.23 | 169 | 58 | 10.10 | 11.60 | 57.6 | 1.75 | 5.70 | 0.76 |
| 140966 | | <0.5 | 0.01 | <0.05 | 196 | 2 | 4.1 | 0.20 | 172 | 54 | 6.09 | 10.45 | 61.8 | 1.02 | 5.79 | 0.40 |
| 140967 | | <0.5 | <0.01 | <0.05 | 227 | 3 | 3.9 | 0.17 | 182 | 52 | 7.06 | 10.85 | 60.4 | 1.21 | 5.88 | 0.48 |
| 140968 | | <0.5 | 0.02 | <0.05 | 313 | 2 | 4.6 | 0.21 | 176 | 61 | 7.93 | 11.25 | 60.2 | 1.38 | 5.75 | 0.59 |
| 140969 | | <0.5 | <0.01 | <0.05 | 348 | 2 | 4.1 | 0.16 | 157 | 54 | 4.95 | 10.55 | 63.4 | 0.82 | 5.93 | 0.34 |
| 140970 | | <0.5 | <0.01 | <0.05 | 307 | 6 | 4.3 | 0.19 | 182 | 58 | 5.28 | 10.45 | 62.6 | 0.86 | 5.87 | 0.37 |



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Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | OA-GRA05 | TOT-ICP06 |
|-------------------------|---------------------------|----------|------------|-----------|----------|-----------|----------|----------|----------|------------|
| | élément unités L.D. | K2O % | Cr2O3 % | TiO2 % | MnO % | P2O5 % | SrO % | BaO % | LOI % | Total % |
| | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 140781 | | 0.14 | 1.81 | 10.60 | 0.21 | 0.05 | 0.01 | 0.01 | -1.77 | 90.5 |
| 140782 | | 0.06 | 1.99 | 11.30 | 0.20 | 0.05 | <0.01 | <0.01 | -1.99 | 91.2 |
| 140783 | | 0.13 | 1.88 | 11.90 | 0.21 | 0.13 | <0.01 | <0.01 | -1.87 | 97.8 |
| 140784 | | 0.17 | 1.70 | 11.70 | 0.21 | 0.14 | <0.01 | <0.01 | -2.05 | 97.6 |
| 140785 | | 0.26 | 1.56 | 10.80 | 0.20 | 0.24 | <0.01 | <0.01 | -1.99 | 98.7 |
| 140786 | | 0.04 | 1.54 | 11.40 | 0.21 | 0.11 | <0.01 | <0.01 | -2.16 | 93.4 |
| 140787 | | 0.19 | 1.60 | 11.20 | 0.21 | 0.14 | <0.01 | <0.01 | -2.23 | 98.1 |
| 140788 | | 0.15 | 1.67 | 11.55 | 0.21 | 0.12 | <0.01 | <0.01 | -2.67 | 98.2 |
| 140789 | | 0.02 | 1.56 | 11.35 | 0.20 | 0.01 | <0.01 | <0.01 | -2.10 | 90.1 |
| 140790 | | 0.04 | 2.03 | 11.25 | 0.20 | 0.07 | <0.01 | <0.01 | -2.00 | 89.2 |
| 140791 | | 0.03 | 2.54 | 11.35 | 0.20 | 0.06 | <0.01 | <0.01 | -1.08 | 97.5 |
| 140792 | | 0.04 | 2.35 | 11.15 | 0.20 | 0.04 | <0.01 | <0.01 | -1.95 | 93.6 |
| 140793 | | 0.14 | 2.07 | 11.35 | 0.21 | 0.14 | <0.01 | <0.01 | -1.88 | 98.1 |
| 140944 | | 0.26 | 1.48 | 11.00 | 0.21 | 0.26 | <0.01 | <0.01 | -1.70 | 99.9 |
| 140945 | | 0.20 | 2.04 | 11.10 | 0.22 | 0.17 | <0.01 | <0.01 | -2.38 | 97.7 |
| 140946 | | 0.11 | 2.27 | 11.15 | 0.23 | 0.14 | <0.01 | <0.01 | -1.99 | 91.6 |
| 140947 | | 0.22 | 1.96 | 10.70 | 0.21 | 0.21 | <0.01 | <0.01 | -1.66 | 97.6 |
| 140948 | | 0.05 | 1.91 | 11.20 | 0.21 | 0.06 | 0.01 | <0.01 | -2.26 | 93.9 |
| 140949 | | 0.38 | 1.74 | 10.95 | 0.23 | 0.29 | <0.01 | <0.01 | -2.40 | 98.9 |
| 140950 | | 0.22 | 2.11 | 10.55 | 0.21 | 0.20 | <0.01 | <0.01 | -1.18 | 98.7 |
| 140951 | | 0.16 | 2.78 | 11.05 | 0.22 | 0.11 | <0.01 | <0.01 | -0.78 | 97.5 |
| 140952 | | 0.05 | 2.69 | 10.90 | 0.20 | 0.06 | 0.01 | <0.01 | -1.10 | 92.8 |
| 140953 | | 0.10 | 2.41 | 11.95 | 0.27 | 0.06 | 0.01 | 0.01 | -1.17 | 97.9 |
| 140954 | | 0.18 | 1.82 | 11.10 | 0.24 | 0.10 | 0.01 | 0.01 | -2.09 | 98.4 |
| 140955 | | 0.20 | 1.77 | 10.95 | 0.24 | 0.13 | 0.01 | 0.01 | -2.09 | 97.6 |
| 140956 | | 0.18 | 1.71 | 11.35 | 0.24 | 0.13 | 0.01 | 0.01 | -2.10 | 98.4 |
| 140957 | | 0.25 | 1.70 | 11.30 | 0.24 | 0.17 | 0.01 | 0.02 | -2.25 | 98.6 |
| 140958 | | 0.25 | 1.92 | 11.00 | 0.24 | 0.19 | 0.01 | 0.02 | -2.11 | 98.7 |
| 140959 | | 0.17 | 2.28 | 11.00 | 0.23 | 0.12 | 0.01 | 0.01 | -1.50 | 97.6 |
| 140960 | | 0.22 | 2.41 | 10.30 | 0.22 | 0.16 | 0.02 | 0.02 | -0.59 | 98.0 |
| 140961 | | 0.23 | 2.27 | 10.50 | 0.23 | 0.17 | 0.01 | 0.02 | -1.07 | 98.3 |
| 140962 | | 0.25 | 2.15 | 10.70 | 0.23 | 0.17 | 0.02 | 0.02 | -1.20 | 99.9 |
| 140963 | | 0.16 | 2.11 | 10.45 | 0.19 | 0.23 | 0.01 | 0.01 | -1.55 | 98.1 |
| 140964 | | 0.25 | 2.04 | 10.60 | 0.23 | 0.16 | 0.02 | 0.02 | -1.27 | 99.5 |
| 140965 | | 0.28 | 1.83 | 10.10 | 0.22 | 0.19 | 0.02 | 0.02 | -1.89 | 98.3 |
| 140966 | | 0.20 | 1.88 | 10.95 | 0.23 | 0.15 | 0.01 | 0.01 | -1.20 | 97.8 |
| 140967 | | 0.23 | 1.82 | 10.90 | 0.23 | 0.15 | 0.01 | 0.02 | -1.07 | 98.2 |
| 140968 | | 0.27 | 1.78 | 10.80 | 0.23 | 0.16 | 0.01 | 0.02 | -1.50 | 98.9 |
| 140969 | | 0.20 | 1.87 | 11.20 | 0.23 | 0.17 | 0.01 | 0.01 | -1.58 | 98.1 |
| 140970 | | 0.20 | 1.86 | 10.95 | 0.23 | 0.17 | 0.01 | 0.01 | -1.14 | 97.7 |



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Finalisée date: 29-JUIN-2009

Compte: MAGPIE

Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | WEI-21 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |
|-------------------------|---------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | élément | Poids reçu | Ag | Ba | Ce | Co | Cr | Cs | Cu | Dy | Er | Eu | Ga | Gd | Hf | Ho |
| unités | | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| L.D. | | 0.02 | 1 | 0.5 | 0.5 | 0.5 | 10 | 0.01 | 5 | 0.05 | 0.03 | 0.03 | 0.1 | 0.05 | 0.2 | 0.01 |
| 140971 | | 4.14 | <1 | 107.0 | 9.4 | 29.5 | 50 | <0.01 | 11 | 0.61 | 0.30 | 0.38 | 36.0 | 0.96 | 1.2 | 0.07 |
| 140972 | | 4.48 | <1 | 108.5 | 10.7 | 34.9 | 70 | <0.01 | 13 | 0.71 | 0.37 | 0.38 | 38.4 | 1.18 | 1.3 | 0.07 |
| 140973 | | 4.13 | <1 | 107.0 | 11.0 | 46.8 | 160 | 0.01 | 10 | 0.78 | 0.36 | 0.33 | 36.2 | 1.24 | 1.2 | 0.09 |
| 140974 | | 2.17 | <1 | 98.2 | 9.9 | 35.4 | 120 | <0.01 | 15 | 0.70 | 0.33 | 0.35 | 36.4 | 1.11 | 1.3 | 0.07 |
| 140975 | | 3.95 | <1 | 80.6 | 8.2 | 26.5 | 50 | 0.01 | 15 | 0.58 | 0.29 | 0.30 | 36.2 | 0.84 | 1.1 | 0.03 |
| 140976 | | 4.26 | <1 | 97.4 | 9.6 | 37.9 | 70 | <0.01 | 10 | 0.67 | 0.27 | 0.37 | 34.9 | 0.98 | 1.3 | 0.08 |
| 140977 | | 4.10 | <1 | 92.7 | 9.1 | 25.1 | 80 | 0.01 | 8 | 0.70 | 0.29 | 0.31 | 36.3 | 0.97 | 1.2 | 0.06 |
| 140978 | | 4.42 | <1 | 91.6 | 9.2 | 35.2 | 60 | <0.01 | 8 | 0.59 | 0.32 | 0.32 | 37.0 | 0.95 | 1.3 | 0.05 |
| 140979 | | 1.85 | <1 | 101.5 | 10.6 | 37.8 | 490 | 0.16 | 13 | 0.76 | 0.39 | 0.36 | 44.6 | 1.08 | 1.6 | 0.08 |
| 140980 | | 0.19 | <1 | 139.0 | 13.7 | 34.6 | 100 | 0.03 | 294 | 0.92 | 0.49 | 0.52 | 36.6 | 1.46 | 1.4 | 0.11 |
| 140981 | | 3.86 | <1 | 90.2 | 8.6 | 31.7 | 60 | 0.05 | 9 | 0.64 | 0.34 | 0.29 | 36.1 | 0.98 | 1.2 | 0.16 |
| 140982 | | 3.70 | <1 | 144.0 | 12.9 | 27.2 | 190 | 0.09 | 10 | 0.95 | 0.43 | 0.52 | 39.4 | 1.47 | 1.3 | 0.19 |
| 140983 | | 4.16 | <1 | 86.4 | 10.8 | 33.6 | 50 | 0.06 | 7 | 0.64 | 0.40 | 0.39 | 39.9 | 1.15 | 1.3 | 0.16 |
| 140984 | | 4.10 | <1 | 98.0 | 9.8 | 23.7 | 50 | 0.02 | 8 | 0.76 | 0.33 | 0.34 | 34.5 | 1.09 | 1.3 | 0.12 |
| 140985 | | 4.08 | <1 | 101.5 | 8.9 | 28.6 | 130 | 0.04 | 11 | 0.60 | 0.27 | 0.32 | 34.5 | 1.01 | 1.3 | 0.10 |
| 140986 | | 3.92 | <1 | 88.7 | 7.9 | 28.2 | 90 | 0.03 | 10 | 0.55 | 0.28 | 0.28 | 36.5 | 0.92 | 1.0 | 0.09 |
| 140987 | | 4.07 | <1 | 90.4 | 8.6 | 21.6 | 50 | 0.05 | 13 | 0.56 | 0.31 | 0.29 | 38.9 | 1.01 | 1.0 | 0.10 |
| 140988 | | 3.93 | <1 | 114.5 | 10.4 | 22.4 | 60 | 0.06 | 12 | 0.67 | 0.37 | 0.38 | 37.5 | 1.10 | 1.1 | 0.13 |
| 140989 | | 3.96 | <1 | 82.2 | 8.3 | 23.8 | 40 | <0.01 | 12 | 0.59 | 0.27 | 0.27 | 36.8 | 1.00 | 1.0 | 0.11 |
| 140990 | | 4.10 | <1 | 72.0 | 7.0 | 20.9 | 30 | <0.01 | 10 | 0.52 | 0.22 | 0.23 | 36.0 | 0.80 | 1.0 | 0.08 |
| 140991 | | 4.05 | <1 | 69.4 | 7.2 | 25.9 | 30 | 0.03 | 11 | 0.47 | 0.26 | 0.23 | 41.2 | 0.88 | 1.0 | 0.09 |
| 140992 | | 4.06 | <1 | 76.3 | 7.1 | 26.2 | 50 | 0.02 | 12 | 0.51 | 0.21 | 0.24 | 38.2 | 0.75 | 0.9 | 0.09 |
| 140993 | | 2.55 | <1 | 58.8 | 7.1 | 27.5 | 40 | 0.02 | 16 | 0.46 | 0.25 | 0.20 | 37.7 | 0.83 | 0.9 | 0.09 |
| 140994 | | 1.73 | <1 | 173.5 | 9.5 | 39.5 | 1020 | 0.02 | 26 | 0.52 | 0.26 | 0.47 | 42.8 | 0.99 | 0.9 | 0.11 |
| 140995 | | 3.78 | <1 | 76.8 | 7.4 | 24.3 | 40 | 0.01 | 28 | 0.53 | 0.25 | 0.23 | 39.2 | 0.77 | 1.0 | 0.09 |
| 140996 | | 3.85 | <1 | 77.3 | 6.8 | 24.4 | 40 | 0.01 | 17 | 0.48 | 0.23 | 0.24 | 38.1 | 0.79 | 0.9 | 0.08 |
| 140997 | | 0.96 | <1 | 111.0 | 9.1 | 36.6 | 60 | 0.03 | 13 | 0.61 | 0.29 | 0.35 | 43.4 | 1.03 | 1.0 | 0.10 |
| 140998 | | 3.14 | <1 | 57.6 | 7.6 | 31.2 | 20 | 0.04 | 12 | 0.54 | 0.26 | 0.26 | 44.8 | 0.87 | 1.0 | 0.09 |
| 140999 | | 3.50 | <1 | 83.3 | 7.7 | 24.2 | 30 | 0.02 | 15 | 0.49 | 0.27 | 0.25 | 38.2 | 0.82 | 1.0 | 0.09 |
| 141000 | | 4.32 | <1 | 62.8 | 7.0 | 33.5 | 30 | 0.03 | 13 | 0.49 | 0.27 | 0.23 | 39.5 | 0.86 | 1.0 | 0.08 |



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CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode élément unités L.D. | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |
|-------------------------|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | La | Lu | Mo | Nb | Nd | Ni | Pb | Pr | Rb | Sm | Sn | Sr | Ta | Tb | Th |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | 0.5 | 0.01 | 2 | 0.2 | 0.1 | 5 | 5 | 0.03 | 0.2 | 0.03 | 1 | 0.1 | 0.1 | 0.01 | 0.05 |
| 140971 | 4.9 | <0.01 | <2 | 0.8 | 5.4 | 11 | <5 | 1.21 | 2.6 | 1.11 | 1 | 73.4 | <0.1 | 0.09 | 0.10 |
| 140972 | 6.4 | <0.01 | <2 | 0.9 | 6.0 | 17 | <5 | 1.42 | 3.0 | 1.16 | <1 | 71.6 | <0.1 | 0.12 | 0.13 |
| 140973 | 6.2 | <0.01 | <2 | 0.6 | 6.4 | 17 | <5 | 1.45 | 3.3 | 1.19 | <1 | 62.5 | <0.1 | 0.10 | 0.12 |
| 140974 | 6.2 | <0.01 | <2 | 0.6 | 5.9 | 21 | <5 | 1.25 | 2.6 | 1.03 | 1 | 66.4 | <0.1 | 0.10 | 0.13 |
| 140975 | 5.4 | <0.01 | <2 | 0.7 | 4.7 | 15 | <5 | 1.07 | 2.3 | 0.91 | 1 | 54.4 | <0.1 | 0.06 | 0.07 |
| 140976 | 6.6 | <0.01 | <2 | 0.7 | 5.5 | 13 | <5 | 1.28 | 2.7 | 1.04 | 1 | 60.6 | <0.1 | 0.10 | 0.14 |
| 140977 | 8.1 | <0.01 | <2 | 0.8 | 5.3 | 14 | <5 | 1.23 | 2.4 | 0.99 | 1 | 56.4 | <0.1 | 0.08 | 0.13 |
| 140978 | 6.5 | <0.01 | <2 | 0.8 | 5.1 | 14 | <5 | 1.20 | 2.3 | 0.89 | 1 | 56.7 | <0.1 | 0.08 | 0.12 |
| 140979 | 7.9 | <0.01 | <2 | 1.1 | 6.0 | 48 | <5 | 1.37 | 5.1 | 1.10 | 1 | 62.3 | <0.1 | 0.11 | 0.18 |
| 140980 | 8.2 | <0.01 | <2 | 0.9 | 7.9 | 24 | <5 | 1.78 | 3.9 | 1.55 | 22 | 90.7 | <0.1 | 0.15 | 0.19 |
| 140981 | 6.0 | 0.05 | <2 | 0.9 | 4.8 | 10 | 13 | 1.17 | 2.4 | 0.92 | <1 | 55.5 | <0.1 | 0.14 | 0.16 |
| 140982 | 6.8 | 0.06 | <2 | 1.3 | 7.3 | 28 | <5 | 1.75 | 4.6 | 1.42 | <1 | 133.5 | <0.1 | 0.20 | 0.26 |
| 140983 | 7.1 | 0.04 | <2 | 1.0 | 6.1 | 16 | <5 | 1.45 | 2.9 | 1.14 | <1 | 53.8 | <0.1 | 0.19 | 0.22 |
| 140984 | 5.4 | 0.02 | <2 | 0.8 | 5.9 | 14 | <5 | 1.35 | 2.8 | 1.11 | <1 | 55.8 | <0.1 | 0.13 | 0.15 |
| 140985 | 5.2 | <0.01 | <2 | 0.9 | 5.3 | 21 | 6 | 1.23 | 2.8 | 1.00 | <1 | 69.7 | <0.1 | 0.13 | 0.17 |
| 140986 | 4.0 | 0.02 | <2 | 0.7 | 4.6 | 11 | <5 | 1.07 | 2.4 | 0.96 | <1 | 58.7 | <0.1 | 0.11 | 0.18 |
| 140987 | 5.3 | 0.02 | <2 | 0.9 | 4.8 | 11 | <5 | 1.11 | 2.6 | 0.87 | <1 | 57.2 | <0.1 | 0.14 | 0.17 |
| 140988 | 5.4 | 0.03 | <2 | 1.1 | 5.7 | 11 | <5 | 1.41 | 3.5 | 1.19 | <1 | 93.1 | <0.1 | 0.14 | 0.18 |
| 140989 | 4.1 | 0.02 | <2 | 0.9 | 4.8 | 5 | <5 | 1.10 | 2.6 | 0.90 | <1 | 50.9 | <0.1 | 0.10 | 0.16 |
| 140990 | 3.2 | 0.01 | <2 | 0.8 | 3.9 | <5 | <5 | 0.91 | 2.1 | 0.82 | <1 | 43.3 | <0.1 | 0.09 | 0.09 |
| 140991 | 4.8 | 0.01 | <2 | 0.8 | 4.1 | 9 | <5 | 0.94 | 2.2 | 0.75 | <1 | 49.9 | <0.1 | 0.11 | 0.13 |
| 140992 | 4.1 | 0.01 | <2 | 0.8 | 4.0 | 11 | <5 | 0.90 | 2.2 | 0.76 | <1 | 67.3 | <0.1 | 0.09 | 0.11 |
| 140993 | 5.3 | 0.01 | <2 | 0.8 | 4.1 | 10 | <5 | 0.93 | 2.4 | 0.79 | <1 | 37.3 | <0.1 | 0.09 | 0.12 |
| 140994 | 5.9 | 0.01 | <2 | 1.1 | 5.1 | 74 | 6 | 1.23 | 2.7 | 1.04 | 1 | 326 | 0.2 | 0.13 | 0.14 |
| 140995 | 3.6 | 0.01 | <2 | 0.8 | 4.1 | 7 | <5 | 0.96 | 2.5 | 0.80 | <1 | 46.7 | <0.1 | 0.09 | 0.14 |
| 140996 | 4.3 | 0.01 | <2 | 0.8 | 4.1 | 9 | <5 | 0.92 | 2.1 | 0.81 | <1 | 65.4 | <0.1 | 0.09 | 0.12 |
| 140997 | 6.2 | 0.02 | <2 | 0.9 | 5.1 | 26 | <5 | 1.21 | 3.0 | 0.98 | <1 | 154.5 | <0.1 | 0.11 | 0.15 |
| 140998 | 5.8 | 0.01 | <2 | 0.7 | 4.2 | 9 | <5 | 0.97 | 1.7 | 0.81 | <1 | 49.8 | <0.1 | 0.12 | 0.18 |
| 140999 | 4.3 | 0.01 | <2 | 0.8 | 4.3 | 7 | <5 | 1.03 | 2.3 | 0.90 | <1 | 59.6 | <0.1 | 0.10 | 0.10 |
| 141000 | 4.0 | 0.01 | <2 | 0.8 | 3.9 | <5 | <5 | 0.91 | 2.1 | 0.76 | <1 | 35.6 | <0.1 | 0.09 | 0.11 |



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Nombre total de pages: 5 (A - D)
Finalisée date: 29-JUIN-2009
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Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 |
|-------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | élément | TI | Tm | U | V | W | Y | Yb | Zn | Zr | SiO2 | Al2O3 | Fe2O3 | CaO | MgO | Na2O |
| | unités L.D. | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % |
| | | 0.5 | 0.01 | 0.05 | 5 | 1 | 0.5 | 0.03 | 5 | 2 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 140971 | | <0.5 | <0.01 | <0.05 | 323 | 1 | 3.1 | 0.08 | 166 | 47 | 5.67 | 10.90 | 62.1 | 0.95 | 6.01 | 0.40 |
| 140972 | | <0.5 | <0.01 | <0.05 | 295 | 3 | 3.6 | 0.13 | 185 | 49 | 5.30 | 10.45 | 62.8 | 0.89 | 5.73 | 0.38 |
| 140973 | | <0.5 | <0.01 | <0.05 | 138 | 2 | 3.8 | 0.14 | 206 | 47 | 4.79 | 10.50 | 64.0 | 0.80 | 5.78 | 0.31 |
| 140974 | | <0.5 | 0.03 | <0.05 | 258 | 2 | 3.4 | 0.14 | 179 | 47 | 4.89 | 10.35 | 62.9 | 0.82 | 5.85 | 0.33 |
| 140975 | | <0.5 | <0.01 | <0.05 | 448 | 1 | 2.7 | 0.05 | 154 | 43 | 4.21 | 9.93 | 65.5 | 0.76 | 5.67 | 0.21 |
| 140976 | | <0.5 | <0.01 | <0.05 | 198 | 2 | 3.3 | 0.13 | 179 | 50 | 4.51 | 10.05 | 65.1 | 0.73 | 5.72 | 0.27 |
| 140977 | | <0.5 | <0.01 | <0.05 | 478 | 2 | 3.1 | 0.05 | 153 | 48 | 4.29 | 10.65 | 64.0 | 0.72 | 5.93 | 0.27 |
| 140978 | | <0.5 | <0.01 | <0.05 | 223 | 3 | 3.2 | 0.09 | 187 | 48 | 4.23 | 10.50 | 63.9 | 0.70 | 5.98 | 0.27 |
| 140979 | | <0.5 | <0.01 | <0.05 | 360 | 3 | 3.8 | 0.10 | 198 | 61 | 4.66 | 10.30 | 64.0 | 0.75 | 5.89 | 0.29 |
| 140980 | | <0.5 | 0.01 | <0.05 | 347 | 2 | 4.6 | 0.17 | 175 | 56 | 6.58 | 10.60 | 60.9 | 1.08 | 5.91 | 0.43 |
| 140981 | | <0.5 | 0.06 | 0.07 | 220 | 1 | 3.0 | 0.27 | 174 | 46 | 4.30 | 10.60 | 63.4 | 0.73 | 6.03 | 0.27 |
| 140982 | | <0.5 | 0.06 | 0.09 | 365 | 1 | 4.3 | 0.32 | 167 | 53 | 8.25 | 11.35 | 59.5 | 1.50 | 5.63 | 0.55 |
| 140983 | | <0.5 | 0.05 | 0.08 | 370 | 1 | 3.5 | 0.25 | 255 | 50 | 4.48 | 9.98 | 64.5 | 0.90 | 5.73 | 0.19 |
| 140984 | | <0.5 | 0.02 | <0.05 | 499 | 1 | 3.3 | 0.24 | 144 | 45 | 4.56 | 10.60 | 63.2 | 0.74 | 6.03 | 0.30 |
| 140985 | | <0.5 | 0.07 | 0.05 | 336 | 1 | 3.0 | 0.23 | 161 | 45 | 4.89 | 10.75 | 62.6 | 0.78 | 5.91 | 0.32 |
| 140986 | | <0.5 | 0.03 | 0.05 | 310 | 1 | 2.7 | 0.22 | 168 | 40 | 4.28 | 10.55 | 65.6 | 0.70 | 5.95 | 0.26 |
| 140987 | | <0.5 | 0.03 | 0.06 | 550 | 1 | 2.9 | 0.23 | 151 | 43 | 4.02 | 10.25 | 65.6 | 0.66 | 5.79 | 0.22 |
| 140988 | | <0.5 | 0.04 | 0.05 | 548 | <1 | 3.5 | 0.24 | 145 | 46 | 5.83 | 11.05 | 61.7 | 0.98 | 5.84 | 0.42 |
| 140989 | | <0.5 | 0.02 | 0.05 | 426 | 1 | 2.9 | 0.19 | 149 | 40 | 3.83 | 10.40 | 59.9 | 0.61 | 5.91 | 0.16 |
| 140990 | | <0.5 | 0.01 | <0.05 | 523 | <1 | 2.4 | 0.16 | 138 | 36 | 3.30 | 10.45 | 61.4 | 0.54 | 6.03 | 0.12 |
| 140991 | | <0.5 | 0.01 | 0.05 | 546 | <1 | 2.5 | 0.18 | 164 | 40 | 3.29 | 10.40 | 59.2 | 0.56 | 5.85 | 0.11 |
| 140992 | | <0.5 | 0.01 | 0.05 | 409 | 1 | 2.4 | 0.17 | 163 | 37 | 4.27 | 11.70 | 63.0 | 0.73 | 5.92 | 0.29 |
| 140993 | | <0.5 | 0.01 | 0.07 | 349 | <1 | 2.4 | 0.17 | 164 | 33 | 2.79 | 10.25 | 58.6 | 0.47 | 5.81 | 0.06 |
| 140994 | | <0.5 | 0.02 | 0.05 | 530 | 1 | 2.8 | 0.20 | 188 | 35 | 15.15 | 14.15 | 50.5 | 3.07 | 4.85 | 1.22 |
| 140995 | | <0.5 | 0.02 | 0.05 | 503 | 1 | 2.5 | 0.20 | 160 | 37 | 3.55 | 10.45 | 60.0 | 0.56 | 6.00 | 0.14 |
| 140996 | | <0.5 | 0.02 | 0.06 | 481 | <1 | 2.3 | 0.17 | 159 | 36 | 4.05 | 10.70 | 59.9 | 0.69 | 5.98 | 0.19 |
| 140997 | | <0.5 | 0.02 | 0.07 | 493 | 1 | 3.0 | 0.22 | 200 | 38 | 7.82 | 11.95 | 59.3 | 1.44 | 5.62 | 0.56 |
| 140998 | | <0.5 | 0.02 | 0.06 | 515 | 2 | 2.6 | 0.21 | 189 | 35 | 3.51 | 11.75 | 64.0 | 0.56 | 5.91 | 0.22 |
| 140999 | | <0.5 | 0.01 | <0.05 | 439 | 1 | 2.6 | 0.20 | 156 | 38 | 3.98 | 10.75 | 59.0 | 0.69 | 5.98 | 0.20 |
| 141000 | | <0.5 | 0.01 | <0.05 | 292 | 1 | 2.5 | 0.20 | 187 | 38 | 2.79 | 10.50 | 58.8 | 0.44 | 6.05 | 0.07 |



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WESTMOUNT QC H3Z 2M8

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Finalisée date: 29-JUIN-2009

Compte: MAGPIE

Projet: MAGPIE

CERTIFICAT D'ANALYSE VO09064338

| Description échantillon | Méthode | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | OA-GRA05 | TOT-ICP06 |
|-------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | élément | K2O | Cr2O3 | TiO2 | MnO | P2O5 | SrO | BaO | LOI | Total |
| unités | | % | % | % | % | % | % | % | % | % |
| L.D. | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 140971 | | 0.17 | 1.92 | 11.30 | 0.23 | 0.10 | 0.01 | 0.01 | -1.17 | 98.6 |
| 140972 | | 0.20 | 1.85 | 11.00 | 0.23 | 0.13 | 0.01 | 0.01 | -1.40 | 97.6 |
| 140973 | | 0.08 | 1.93 | 10.75 | 0.19 | 0.19 | 0.02 | 0.01 | -1.27 | 98.1 |
| 140974 | | 0.16 | 1.93 | 11.50 | 0.23 | 0.11 | 0.01 | 0.01 | -1.10 | 98.0 |
| 140975 | | 0.15 | 1.91 | 10.95 | 0.24 | 0.13 | 0.01 | 0.01 | -1.07 | 98.6 |
| 140976 | | 0.18 | 1.83 | 11.00 | 0.21 | 0.10 | 0.01 | 0.01 | -1.64 | 98.1 |
| 140977 | | 0.16 | 1.82 | 11.45 | 0.23 | 0.07 | 0.01 | 0.01 | -2.02 | 97.6 |
| 140978 | | 0.15 | 1.88 | 11.30 | 0.24 | 0.11 | 0.01 | 0.01 | -0.90 | 98.4 |
| 140979 | | 0.17 | 1.96 | 11.15 | 0.23 | 0.13 | 0.01 | 0.01 | -1.41 | 98.1 |
| 140980 | | 0.24 | 1.59 | 10.90 | 0.22 | 0.14 | 0.01 | 0.02 | -0.99 | 97.6 |
| 140981 | | 0.15 | 1.93 | 11.35 | 0.24 | 0.09 | 0.01 | 0.01 | -1.09 | 98.0 |
| 140982 | | 0.29 | 1.72 | 10.40 | 0.22 | 0.15 | 0.01 | 0.02 | -1.30 | 98.3 |
| 140983 | | 0.16 | 2.06 | 10.70 | 0.22 | 0.12 | 0.01 | 0.01 | -0.79 | 98.3 |
| 140984 | | 0.16 | 2.11 | 11.05 | 0.23 | 0.11 | 0.01 | 0.01 | -1.16 | 98.0 |
| 140985 | | 0.16 | 2.08 | 10.80 | 0.23 | 0.08 | 0.01 | 0.01 | -0.90 | 97.7 |
| 140986 | | 0.14 | 2.29 | 11.00 | 0.26 | 0.21 | 0.01 | 0.01 | -1.57 | 99.7 |
| 140987 | | 0.16 | 2.27 | 10.75 | 0.22 | 0.12 | 0.01 | 0.01 | -1.07 | 99.0 |
| 140988 | | 0.20 | 2.11 | 10.65 | 0.22 | 0.11 | 0.02 | 0.01 | -0.58 | 98.6 |
| 140989 | | 0.09 | 2.10 | 10.70 | 0.19 | 0.05 | <0.01 | <0.01 | -1.20 | 92.7 |
| 140990 | | 0.03 | 2.17 | 10.90 | 0.19 | 0.03 | <0.01 | <0.01 | -1.00 | 94.2 |
| 140991 | | 0.05 | 2.15 | 10.75 | 0.19 | 0.03 | <0.01 | <0.01 | -1.54 | 91.0 |
| 140992 | | 0.11 | 2.11 | 10.60 | 0.20 | 0.11 | 0.01 | 0.01 | -0.89 | 98.2 |
| 140993 | | 0.03 | 2.12 | 10.70 | 0.19 | 0.09 | <0.01 | <0.01 | -1.96 | 89.2 |
| 140994 | | 0.22 | 1.52 | 8.42 | 0.16 | 0.10 | 0.04 | 0.02 | -1.10 | 98.3 |
| 140995 | | 0.02 | 2.07 | 10.85 | 0.20 | 0.03 | <0.01 | <0.01 | -1.20 | 92.7 |
| 140996 | | 0.04 | 2.16 | 10.80 | 0.20 | 0.05 | <0.01 | <0.01 | -1.86 | 92.9 |
| 140997 | | 0.16 | 1.97 | 10.05 | 0.19 | 0.12 | 0.02 | 0.01 | -1.09 | 98.1 |
| 140998 | | 0.13 | 2.13 | 10.85 | 0.19 | 0.08 | 0.02 | 0.01 | -1.30 | 98.1 |
| 140999 | | 0.07 | 2.16 | 10.70 | 0.19 | 0.02 | <0.01 | <0.01 | -2.28 | 91.5 |
| 141000 | | 0.03 | 2.15 | 10.80 | 0.19 | 0.02 | <0.01 | <0.01 | -1.45 | 90.4 |