

Certified Reference Material Series for X-ray Fluorescence Analysis of Refractories

J R R M 4 0 1 - 4 1 0 (Series No.1 for Magnesia Refractories)

Certificate of Analyses

Constituent	Unit mass%											
	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Uncertified value					B ₂ O ₃	
						TiO ₂	MnO	Na ₂ O	K ₂ O	Cr ₂ O ₃	P ₂ O ₅	B ₂ O ₃
JRRM 401	6.42 ₄	8.10 ₆	3.89 ₀	0.20 ₆	81.2 ₄	0.01 ₇	0.01 ₁	0.00 ₅	0.00 ₃	0.00 ₄	0.03 ₅	0.01 ₆
JRRM 402	5.46 ₂	1.99 ₉	5.05 ₀	3.57 ₀	83.7 ₇	0.02 ₆	0.01 ₁	0.01 ₀	0.00 ₁	0.00 ₆	0.07 ₇	0.12 ₇
JRRM 403	8.14 ₄	4.06 ₀	1.55 ₃	0.61 ₅	85.4 ₈	0.00 ₃	0.01 ₄	0.00 ₄	0.00 ₁	0.01 ₀	0.04 ₄	0.03 ₁
JRRM 404	1.22 ₃	6.01 ₄	2.90 ₈	1.78 ₆	88.0 ₂	0.00 ₇	0.03 ₀	0.00 ₉	0.00 ₁	0.00 ₆	0.05 ₃	0.01 ₁
JRRM 405	3.47 ₉	1.37 ₂	1.34 ₆	1.69 ₀	91.9 ₅	0.05 ₄	0.07 ₄	0.00 ₉	0.01 ₅	0.01 ₄	0.12 ₀	0.01 ₁
JRRM 406	1.19 ₆	1.13 ₉	0.87 ₄	4.80 ₅	91.8 ₅	0.00 ₄	0.01 ₁	0.00 ₂	0.00 ₀	0.00 ₆	0.04 ₁	0.01 ₃
JRRM 407	2.43 ₂	0.10 ₀	2.14 ₅	0.67 ₅	94.5 ₅	0.00 ₃	0.01 ₄	0.00 ₄	0.00 ₁	0.08 ₀	0.04 ₄	0.02 ₃
JRRM 408	0.46 ₀	2.55 ₄	0.13 ₄	0.67 ₂	96.1 ₉	0.00 ₄	0.01 ₀	0.00 ₁	0.00 ₀	0.00 ₉	0.01 ₅	0.09 ₉
JRRM 409	0.53 ₄	0.20 ₂	0.49 ₀	0.74 ₄	98.0 ₃	0.00 ₃	0.01 ₅	0.00 ₂	0.00 ₁	0.01 ₉	0.02 ₃	0.03 ₈
JRRM 410	0.18 ₈	0.05 ₈	0.05 ₀	0.59 ₅	99.0 ₈	0.00 ₃	0.01 ₀	0.00 ₁	0.00 ₀	0.00 ₃	0.04 ₅	0.02 ₆

Note: The above values show the contents after igniting for an hour at 800±25 °C.

Prepared, values given and certified by

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