

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

JRRM 601-610 (Series No.1 for Zircon-Zirconia Refractories)

Certificate of Analyses

Constituent	Unit mass%											
	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	P ₂ O ₅	Cr ₂ O ₃	ZrO ₂	HfO ₂
JRRM 601	0.26 ₃	0.11 ₅	0.10 ₁	0.16 ₈	5.58 ₆	0.06 ₄	0.00 ₄	0.00 ₂	0.00 ₇	0.00 ₃	92.0 ₈	1.59 ₂
JRRM 602	0.33 ₅	0.07 ₈	1.62 ₂	0.16 ₄	0.22 ₁	5.30 ₄	0.76 ₈	0.00 ₄	1.34 ₂	0.01 ₅	88.4 ₈	1.52 ₆
JRRM 603	0.96 ₇	5.29 ₉	2.86 ₁	0.93 ₄	0.95 ₄	0.96 ₈	0.18 ₇	0.65 ₃	0.88 ₈	0.02 ₉	84.8 ₀	1.45 ₄
JRRM 604	3.05 ₂	6.93 ₃	0.43 ₀	0.13 ₄	0.09 ₄	0.01 ₇	1.09 ₀	1.94 ₂	1.99 ₇	3.06 ₉	79.4 ₅	1.35 ₉
JRRM 605	10.8 ₂	4.84 ₇	0.17 ₇	0.12 ₇	1.94 ₅	1.99 ₉	0.45 ₈	0.54 ₃	0.35 ₄	1.55 ₃	75.5 ₉	1.31 ₈
JRRM 606	22.1 ₀	0.53 ₄	0.93 ₆	0.11 ₇	0.02 ₁	0.32 ₁	2.03 ₄	0.01 ₄	0.01 ₉	0.00 ₈	72.5 ₉	1.26 ₉
JRRM 607	32.9 ₄	3.53 ₉	0.12 ₁	0.13 ₇	0.04 ₈	0.03 ₁	0.02 ₆	0.04 ₃	0.08 ₆	0.00 ₂	61.6 ₆	1.21 ₈
JRRM 608	34.6 ₅	0.70 ₇	0.09 ₂	0.10 ₂	0.52 ₁	3.12 ₇	0.03 ₁	0.01 ₉	0.11 ₇	0.49 ₇	58.8 ₈	1.21 ₇
JRRM 609	40.5 ₅	0.88 ₇	0.15 ₀	0.15 ₃	0.30 ₀	0.15 ₀	0.94 ₃	0.02 ₈	0.08 ₁	0.01 ₂	55.6 ₂	1.12 ₄
JRRM 610	45.7 ₀	0.45 ₁	0.30 ₃	0.09 ₉	3.07 ₈	0.54 ₈	0.04 ₃	0.01 ₀	0.11 ₃	0.00 ₉	48.7 ₄	0.98 ₇

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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