

The Technical Association of Refractories, Japan

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

JRRM 701 ~ 710 (Series №1 for Alumina-Zirconia-Silica 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	Cr ₂ O ₃	ZrO ₂	HfO ₂	Uncertified value	
												MnO	P ₂ O ₅
JRRM 701	28.4 ₇	10.1 ₀	2.01 ₀	4.96 ₅	2.07 ₅	0.47 ₇	1.84 ₇	0.02 ₄	1.01 ₁	48.1 ₁	0.85 ₀	0.00 ₇	0.02 ₇
JRRM 702	10.0 ₁	38.2 ₁	0.37 ₄	0.21 ₁	1.55 ₅	1.98 ₂	2.02 ₇	0.58 ₀	0.11 ₁	42.6 ₂	2.09 ₀	0.00 ₄	0.02 ₈
JRRM 703	14.6 ₆	46.3 ₉	0.05 ₉	0.07 ₂	0.03 ₇	0.01 ₁	0.53 ₅	0.00 ₂	0.00 ₆	37.3 ₉	0.72 ₈	0.00 ₀	0.03 ₅
JRRM 704	42.6 ₄	19.5 ₉	0.55 ₄	1.02 ₆	0.15 ₅	0.51 ₅	0.22 ₈	0.40 ₂	0.51 ₈	33.4 ₈	0.68 ₅	0.08 ₉	0.13 ₀
JRRM 705	2.00 ₂	64.2 ₄	0.14 ₁	2.02 ₄	0.19 ₁	0.46 ₁	0.30 ₁	0.01 ₈	2.02 ₂	28.0 ₁	0.48 ₅	0.00 ₄	0.01 ₇
JRRM 706	39.6 ₂	26.1 ₄	0.13 ₁	3.80 ₆	1.59 ₉	0.15 ₉	3.52 ₁	0.95 ₉	0.01 ₀	22.8 ₉	1.19 ₉	0.00 ₄	0.01 ₆
JRRM 707	21.1 ₇	55.7 ₈	1.81 ₅	0.28 ₉	1.08 ₆	0.84 ₄	0.19 ₉	0.15 ₅	0.18 ₀	18.1 ₆	0.36 ₇	0.00 ₃	0.05 ₅
JRRM 708	0.54 ₇	79.6 ₃	0.80 ₁	1.02 ₁	1.17 ₄	1.64 ₈	0.08 ₉	0.74 ₆	0.29 ₈	12.8 ₆	1.03 ₄	0.00 ₁	0.00 ₂
JRRM 709	34.4 ₅	50.4 ₅	0.47 ₇	0.09 ₁	0.52 ₅	1.21 ₀	1.04 ₀	0.21 ₆	2.92 ₂	8.34 ₀	0.18 ₄	0.00 ₂	0.00 ₉
JRRM 710	5.62 ₉	82.3 ₆	1.15 ₁	3.00 ₅	0.22 ₅	0.04 ₉	1.42 ₁	0.63 ₇	1.02 ₈	2.96 ₇	1.51 ₂	0.00 ₂	0.04 ₂

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

Prepared, values given and certified by

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Distributed by

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 1-4-4, Minatojima-Minamimachi, Cyuo-ku, Kobe 650-0047, Japan
 Telephone : 81-78-303-3810 Fax : 81-78-303-3822