

111.6 - Refractories (powder form)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Description >>	76a Burnt Refractory (Nominal Mass Fraction 40 % Al ₂ O ₃)	77a Burnt Refractory (Nominal Mass Fraction 60 % Al ₂ O ₃)	78a Burnt Refractory (Nominal Mass Fraction 70 % Al ₂ O ₃)	198 Silica Brick	199 Silica Brick
Unit of Issue >>	75 g	75 g	75 g	45 g	45 g

Concentration are expressed as mass fraction, in %.

Aluminum oxide	38.7	60.2	71.7	0.16	0.48
Calcium oxide	0.22	0.05	0.11	2.71	2.41
Iron Oxide (Fe ₂ O ₃)**	1.60	1.00	1.2	0.66	0.74
Lithium oxide	0.042	0.025	0.12	0.001	0.002
Loss on Ignition	(0.34)	(0.22)	(0.42)	0.21	0.17
Magnesium oxide	0.52	0.38	0.70	0.07	0.13
Manganese oxide				0.008	0.007
Phosphorus pentoxide	0.120	0.092	1.3	0.022	0.015
Potassium oxide	1.33	0.090	1.22	0.017	0.094
Silicon dioxide	54.9	35.0	19.4		
Sodium oxide	0.07	0.037	0.078	0.012	0.015
Strontium oxide	0.037	0.009	0.25		
Titanium dioxide	2.03	2.66	3.22	0.02	0.06

*** Information values are provided for additional 71 elements

- Certified values are normal font
- Non-certified or reference values are italicized
- Non-certified values in parentheses are for information only