

Certificate of Certified Reference Material

NCS DC 62124

Sulphoaluminate Cement Raw Meal

Reissued in 2015

Approved by China National Analysis Center for Iron and Steel

(Beijing China)

Certified Values and Standard Deviation

		(%)				
No.		SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO
NCS DC 62124	Certified Value	5.09	22.29	1.34	1.07	33.05
	Standard Deviation	0.12	0.12	0.07	0.06	0.12
		MgO	K ₂ O	Na ₂ O	SO ₃	L.O.I
NCS DC 62124	Certified Value	1.21	0.14	0.06	7.07	28.21
	Standard Deviation	0.04	0.01	0.02	0.11	0.12

Note:

1. 10 independent laboratories take part in the analysis work.
2. The sample is powder with size less 0.08mm packed in plastic bottle.
The minimum package is 20 grams. The minimum weight for analysis is 0.1g.
3. The sample should be stored in drier. not stove before weighing. After each taking, the CRMs should be put in drier soon.
4. The certification will expire in Aug., 2019, although we reserve the right to make change as issue revisions.

Analytical Methods

Composition	Analytical method
SiO ₂	Silicon-molybdenum blue photometric method Potassium silicofluoride volumetric method
Al ₂ O ₃	EDTA direct titrimetric method; Titrimetric method
Fe ₂ O ₃	EDTA direct titrimetric method; 1,10-phenanthroline photometric method
TiO ₂	Dianthipyrylmethane colorimetric method
CaO	EDTA direct titrimetric method; Permanganate titrimetric method
MgO	Atomic absorption spectrophotometric method; Titrimetric method
K ₂ O, Na ₂ O	Flame atomic absorption spectrophotometric method; Atomic absorption spectrophotometric method
SO ₃	Barium sulfate gravimetric method; Ion exchange method
L.O.I	Gravimetric method



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