

PRODUCT INFORMATION

Mangalox A 25, A 45 and A 75

June 2005

Mangalox® A is produced from carefully selected manganese ore, which is a natural manganese dioxide.

The standardised quality of **Mangalox® A** is guaranteed by means of an ISO 9001:2000 certified quality assurance plan. The chemical composition of raw materials and product is closely monitored. Variation in chemical composition and particle size distribution of **Mangalox® A** is kept to a minimum.

Applications

- Ceramics
- Glass
- Pigments

Mineral Properties

Main constituent	Manganese dioxide, MnO ₂
Hardness (Mohs' scale)	5
Density (g/cm ³)	4.5

Chemical Analyses

	Typical values		Method
MnO ₂	78	%	ISO 312
MnO	3.5	%	XRF
Fe ₂ O ₃	5	%	XRF
Al ₂ O ₃	4	%	XRF
SiO ₂	4.5	%	XRF
Na ₂ O	0.15	%	XRF
K ₂ O	1	%	XRF
MgO	0.2	%	XRF
CaO	0.1	%	XRF
BaO	0.5	%	XRF



Ankerpoort nv

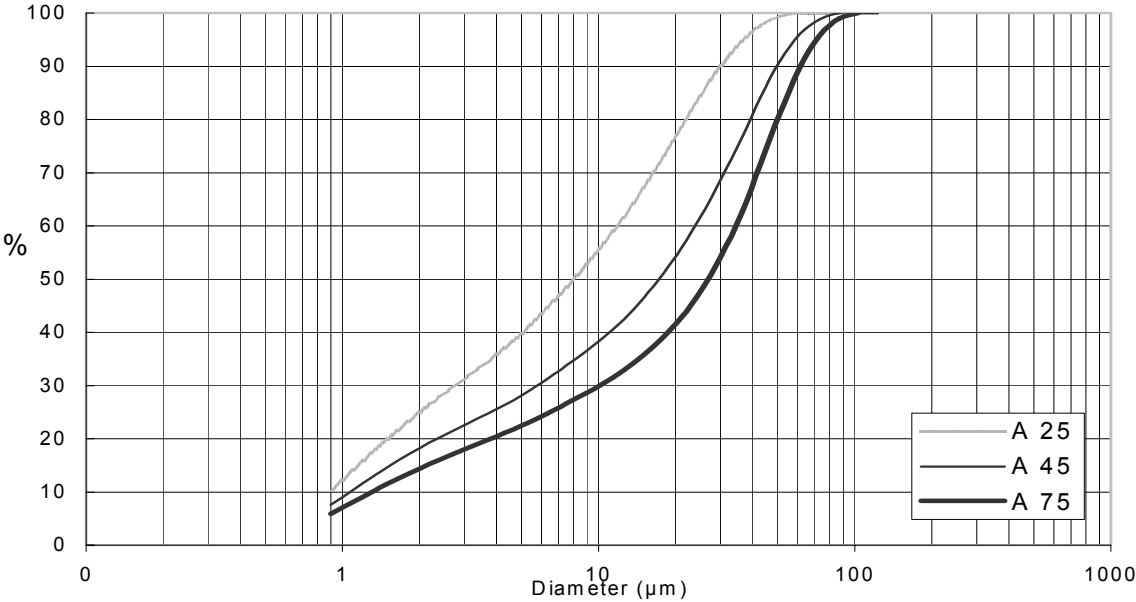
THE MINERAL COMPANY

Mangalox A

-Typical values-

Particle size distribution

(Sympatec Laser diffraction)



Particle size	A 25	A 45	A 75		Method
+ 75 µm		0.15	3	%	Wet sieved
+ 45 µm	0.15	3	12	%	Wet sieved
+ 25 µm	3	12	22	%	Wet sieved

Physical properties	A 25	A 45	A 75		Method
Moisture	0.8	0.8	0.8	%	IR-Dryer
Loose apparent density	1.0	1.1	1.2	g/cm3	ISO787/11 (1 tap)
Tapped apparent density	1.6	1.7	1.8	g/cm3	ISO787/11

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