

# Technical Data Sheet

## ALUMINIUM POWDER (FLAKE)

### EXTRA FINE

Trade Mark: 666O

Characteristics	UOM	*Test Method	Specification
<u>Sieve analysis:</u> Passing through sieve 45 µm	%	M/QA/SOP/003	60 - 75
Apparent Density	g/cc	M/QA/SOP/004	0.090 – 0.120
<u>Burning Test</u> Spreading time	sec	M/QA/SOP/009	40 - 80
Glowing time	sec	M/QA/SOP/009	10 - 30
Matter Soluble in organic solvent	%	M/QA/SOP/006	1.5 max
Active Aluminium content	%	M/QA/SOP/016	90 min
Acid Insoluble	%	M/QA/SOP/044	0.1 max
Total metallic impurities (Fe+Cu+Mn+Mg+Zn+Si)	%	M/QA/SOP/028	1.0 max

\* M/QA/SOP/003, M/QA/SOP/004, M/QA/SOP/009, M/QA/SOP/006, M/QA/SOP/016, M/QA/SOP/044 & M/QA/SOP/028 are based on ISO-1247, ASTM B-417, In-house, ISO-1247, IS: 438, DRDO procedure & Atomic Absorption Spectroscopy respectively.

666-0 Pyrotechnic lamellar Aluminium Powder made out of primary high pure Aluminium ingot of > 99.7 % purity, by atomization of molten Aluminium liquid, followed by safe dry ball milling process, used for making Candles, Chakras, Pencils, Sparklers, Stars, Twinklers, Chorsa crackers, Fancy fireworks etc in Fireworks applications.

*The data on this technical information sheet correspond with the current status of our knowledge and experience. The liability for the application and processing of our products lies with the buyer, and he is also responsible for observing any third party rights. We reserve the right to alter any product data as a result of technical progress or further developments in the manufacturing process.*

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Page 1 of 1