



Technical Data Sheet

ALUMINIUM POWDER (FLAKE)

EXTRA SUPER FINE - SPECIAL

Trade Mark: 999S

Characteristics	UOM	*Test Method	Specification
<u>Sieve analysis:</u> Passing through sieve 45 µm	%	M/QA/SOP/003	85 - 95
Apparent Density	g/cc	M/QA/SOP/004	0.150 – 0.190
<u>Burning Test</u> Spreading time	sec	M/QA/SOP/009	25 - 60
Glowing time	sec	M/QA/SOP/009	10 - 30
Matter Soluble in organic solvent	%	M/QA/SOP/006	1.0 max
Active Aluminium content	%	M/QA/SOP/016	83 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.

999 S 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 Aerial shots, Atom bombs / Chocolate bombs, Chorsa crackers, Fancy fireworks, High sound crackers, Sparklers, Twinklers, Chakras etc in Fireworks applications, in which, it yields bright flash & sharp sound in garland crackers, louder sound in atom bomb crackers, bright white & more sparks in ground chakras, better spreading & bigger sparks in sparklers and also more out-turn than the existing 999 grade.

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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