



## TECHNICAL DATA SHEET

**Product Name** : Aluminium Powder for Explosives

**Grade** : LDS

**Product Description** :

Aluminium powders are used as a sensitizer in the manufacture of explosives. Different grades are processed to meet the specific needs of explosives manufacturers. Flake Aluminum powders add strength to the slurry explosives, particularly its sensitization property. Aluminium powder is generally hazardous in nature, but these powders are properly coated with fatty acids and special properties are generated to enhance its safety in handling and even in aqueous medium of different pH.

Characteristics	Test Method	Specification
Free Al. Purity % (min.)	IS-438	89
Wet Sieve Analysis Retention on 45µm % (max.)	ISO 1247	14
Water Coverage Area cm <sup>2</sup> /gm	IS-438	5000 TO 9000
Fatty Acid % (max.)	IS-438	4
Wettability (minutes) min	In House	10
Bulk Density gm/cc	In House	0.20 ± 0.02
Particle Size Distribution D50 (µm)	Sympatec (Helos BF/BR - Magic)	15 - 20

\*Aluminium product is made out of aluminium ingots of 99.7% min purity.

Wet sieving with mineral spirit as rinsing liquid.

**Standard packing:** 20 & 25 kg net content in HDPE bags with antistatic liner

*The data on this technical data sheet correspond with the current status of our knowledge & 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 rights to alter any product data as a result of technical progress or further developments in the manufacturing process.*