

LANTHANUM BORIDE LaB_6

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| Chemical Formula | LaB_6 |
| Chemical Name | Lanthanum Boride |
| Description of Product | Violet-Blue Powder |
| HS Number | 28469040 |
| Grades Available | Product Designation LaB_6 |

Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [$\mu\text{g/g}$])

| | Grade A | | | Grade B | | | Grade C | | |
|--------|---------|-----|---|---------|------|---|---------|-----|---|
| La + B | min. | 99 | % | min. | 98.5 | % | min. | 98 | % |
| C | max. | 0.2 | % | max. | 0.2 | % | max. | 0.2 | % |
| N | max. | 0.1 | % | max. | 0.1 | % | max. | 0.1 | % |
| Fe | max. | 0.1 | % | max. | 0.1 | % | max. | 0.1 | % |
| O | max. | 0.3 | % | max. | 0.6 | % | max. | 1.5 | % |

Höganäs can produce LaB_6 on specific customer request.

Physical Characteristics

Particle Size Distribution¹⁾

| | | | | | | | | | |
|--------|----|------|---------------|----|------|---------------|---|-----|---------------|
| D 90 % | 15 | - 25 | μm | 10 | - 15 | μm | 3 | - 5 | μm |
| D 50 % | 8 | - 12 | μm | 4 | - 7 | μm | 2 | - 3 | μm |
| D 10 % | 3 | - 5 | μm | 2 | - 3 | μm | 1 | - 2 | μm |

1) Microtrac by Laser Light Diffraction per ASTM C 1070.

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| Packaging | Steel drum with PE-Liner. Minimum Lot Size: 11 kg ± 5 % Höganäs can produce homogeneous lots up to 50 kg. |
| Storage and Handling | Storage and handling are subject to the rules and regulations in the country of use. |
| Hazards identification in Advertising (REGULATION (EC) No 1272/2008) | none. |
| Remarks | Delivery time: approx. 6-8 weeks. Contact us about making our powders to meet your specific requirements. |

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