

TECHNICAL DATA SHEET

Indigo Dye | CAS 482-89-3

1. Product Identification

Product Name	Indigo Dye
CAS Number	482-89-3
Synonyms	Indigotin, CI Vat Blue 1, Synthetic indigo
Category	Dye & Pigment
Available Grades	Synthetic Grade/98%
HSN Code	3204.15

2. Physical & Chemical Properties

Molecular Formula	C ₁₆ H ₈ N ₂ O ₂
Molecular Weight	262.27
Appearance	Deep blue powder
Density	1200 kg/m ³
Boiling Point	N/A
Melting Point	390-392°C
Flash Point	None
Solubility	Insoluble in water

3. Applications

• Denim dyeing • Natural indigo substitute • Textile dyeing • Pigment printing

4. Industries Served

Textile, Denim, Fashion

5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.