

Technical Data Sheet

Indium Tin Oxide

Revision Date: 10/06/2025

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Indium Tin Oxide
Product code	NO-0085-UP
CAS	50926-11-9
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Indium Tin Oxide
CAS No.	50926-11-9
Empirical Formula	In ₂ O ₃ :SnO ₂ (9:1)
Molecular weight	~ 265 g/mol
Purity	99.99 %
Morphology	spherical
Average Particle Size	20 – 70 nm
Specific Surface Area	15 – 40 m ² /g
True Density	7.12 g/cm ³
Bulk Density	~ 0.8 g/cm ³

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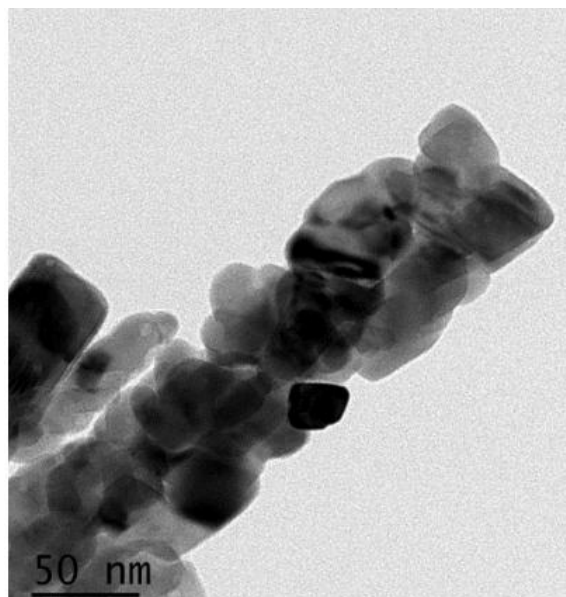
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3 CONTENT IMPURITIES

Impurity	Content
Cd	≤ 5.0 ppm
Cu	≤ 5.0 ppm
Fe	≤ 5.0 ppm
Pb	≤ 5.0 ppm
Zn	≤ 5.0 ppm
As	≤ 5.0 ppm
Ti	≤ 5.0 ppm

4 TRANSMISSION ELECTRON MICROSCOPY



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5 OTHER INFORMATION

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