



TECHNICAL DATA SHEET

Product name: Stannous Oxide
Chemical Name: Tin (II) Oxide, Tin Monoxide
Chemical Formula: SnO
Molecular Weight: 134.7
C.A.S. Number: 21651-19-4
EINECS Number: 244-499-5
REACH Registration number: 01-2119972336-31-0001

General Product Information

Stannous Oxide is a black crystalline powder that is used in electroplating as a source of Sn²⁺ ions in solid state reactions to produce complex oxides, or in reactions with weak acids to manufacture stannous compounds.

Specification / Typical Analysis

Analytical Parameter	Specification
Purity as Stannous Oxide (SnO)	98.0% w/w minimum
Chloride (as Cl)	0.1% (1000ppm) maximum
Iron (Fe)	0.0050% (50ppm) maximum
Lead (Pb)	0.0020% (20ppm) maximum
Arsenic (As)	0.0005% (5ppm) maximum
Copper (Cu)	0.0005% (5ppm) maximum
Antimony (Sb)	0.0030% (30 ppm) maximum
Moisture (H ₂ O)	0.1% maximum
Sulphate (SO ₄)	0.0050 % (50ppm) maximum
PSD d50 (µm)	20 - 40

Packages and Shipping

Stannous Oxide is presented in 25 kg plastic pails
H.S. Tariff Number: 28259085
Non-hazardous for transport purposes

The products discussed are sold without warranty, express or implied, and on the condition that purchasers shall make their own tests to determine the suitability of such products for their particular purpose. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringements of any patent.