

November 2001

## Technical Data Sheet for Indium Hydroxide powder

**Nomenclature:** Indium(III)Hydroxide, Indium Hydroxide  
**Formula:**  $\text{In}(\text{OH})_3$  M.W. 165.8  
**CAS Number:** 20661-21-6

Chemical Data	Typical values	Morphology	Typical values
$\text{In}(\text{OH})_3$	99.9% minimum	<b>Particle size</b>	
Al	1ppm	D10	0.79 micrometers
As	<1ppm	D50	3.28 micrometers
Cd	7ppm	D90	14.21 micrometers
Cr	<1ppm		
Cu	6ppm	<b>Typical tap density</b>	= 0.7gcm <sup>-3</sup>
Fe	6ppm	<b>Theoretical % metal in compound</b>	
Mo	<1ppm	as indium	= 69.24% w/w
Ni	2ppm		
Pb	18ppm		
Sb	< 1ppm		
Sn	4ppm		
Tl	1ppm		
V	< 1ppm		
Zn	4ppm		

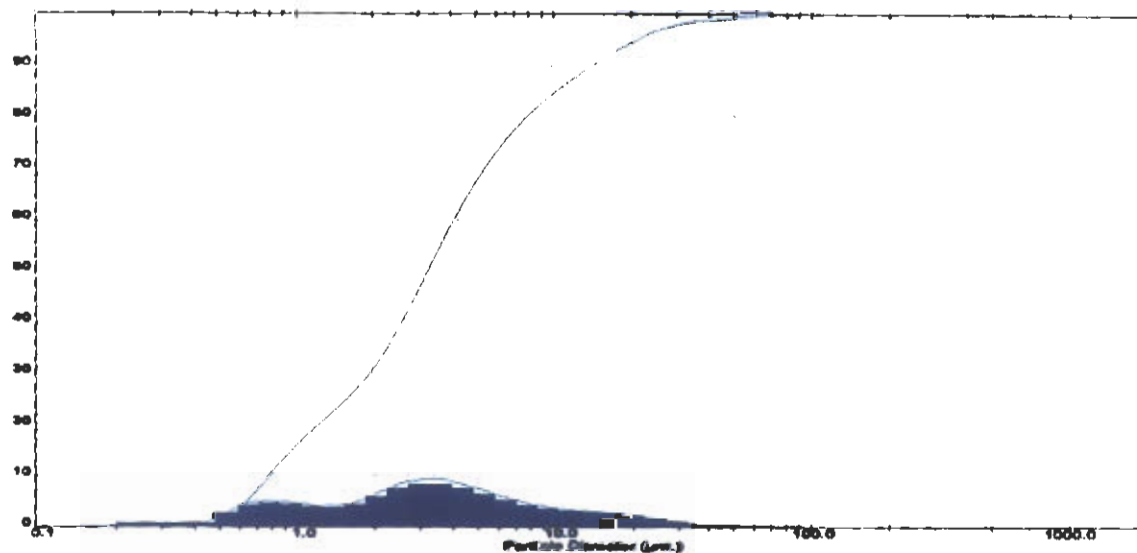
**Appearance** - fine white powder

### Packaging/Containers

**Solubility** in water - insoluble

Typically 5-10kg plastic tubs

**Solubility** in mineral acids - soluble



Profile for indium hydroxide with D50  
particle size of 3.28µm