



# Thallium Iodide powder

<b>Product number :</b>	428001
<b>CAS-No. :</b>	[7790-30-9]
<b>Appearance :</b>	yellowish powder
<b>Formula :</b>	TlI
<b>Formula weight :</b>	331.274
<b>Thallium content :</b>	61.69 % (theoretical)
<b>Melting point :</b>	440 °C
<b>Boiling point :</b>	823 °C
<b>Solubility :</b>	0.0006 g in 100 g H <sub>2</sub> O at 20°C

## Chemical analysis

Na	max.	5 ppm
K	max.	5 ppm
Rb	max.	5 ppm
Cs	max.	5 ppm
As	max.	5 ppm
Bi	max.	5 ppm
Sb	max.	5 ppm
Cd	max.	2 ppm
Cu	max.	2 ppm
Fe	max.	2 ppm
Pb	max.	5 ppm
Zn	max.	2 ppm

Deliveries are accompanied by a lot specific certificate of analysis. If any of these values is critical to your application, please let us know.

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<b>Applications</b>	Thallium iodide is primarily used as a doping agent for alkali halides in scintillation applications.
<b>Safety and handling</b>	Thallium iodide is very toxic. Store in tightly closed containers away from food, strong acids and oxidizing agents. The safety precautions typical for the use of toxic inorganic powders must be taken. Contact to skin or eyes may cause severe burns and symptoms of poisoning. Due to its toxicity inhalation and ingestion must strictly be avoided. Seek medical advice in every case of contact, ingestion or inhalation, do not induce vomiting.
<b>Packaging</b>	PE bags with aluminium lining or PE bottles. Alternative packing on request. Smaller units available at surcharge.
<b>Transport classification</b>	Please refer to the safety datasheet of this product.
<b>Cesium product range</b>	acetate aluminium fluoride bicarbonate bromide carbonate chloride fluoride hydrogen carbonate hydroxide, aqueous solution or monohydrate iodide metal nitrate sulfate  <i>available in various grades, other products on request</i>