

**Cadmium Sulfate 8/3 Hydrate Reagent Grade ACS**  
**Synonym: Cadmium (II) Sulfate Octahydrate**

**Typical Parameters:**

Molecular Formula	CdSO <sub>4</sub> .8/3H <sub>2</sub> O
Molecular Weight	256.52
CAS Number	7790-84-3
Density	3.08 gm/cm <sup>3</sup>
Melting Range	41° C
Solubility in water	Highly Soluble

**Quality Specifications:**

Physical State and Appearance	White Hygroscopic Powder
Assay:	98.0 to 102.0%
Trace Metal Impurities	Limits (Max)
<i>Chloride</i>	10.0 ppm
<i>Calcium</i>	50.0 ppm
<i>Copper</i>	20.0 ppm
<i>Iron</i>	10.0 ppm
<i>Lead</i>	30.0 ppm
<i>NO<sub>3</sub> Compounds</i>	30.0 ppm
<i>Potassium</i>	100.0 ppm
<i>Sodium</i>	200.0 ppm
<i>Water Insoluble Matter</i>	50.0 ppm
<i>Zinc</i>	500.0 ppm



**Availability:** 25 Kg in fiber drums

**Freight Classification:** Not regulated

**Storage** Keep in a tightly closed container. Store in a cool, dry, ventilated area.

<sup>(1)</sup>**Disposal:** Dispose of in accordance with local, state, & federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-Nugen or email: [nicg@nugentec.com](mailto:nicg@nugentec.com).