

TECHNICAL DATA SHEET (TDS)

Product Name:	Ammonium Persulfate
CAS Number:	7727-54-0
Chemical Formula:	(NH4)2S2O8
Synonyms:	Ammonium Peroxydisulfate, APS
Compliance:	GHS & REACH
Category:	BASIC

Product Description

High-purity crystalline ammonium persulfate. Widely used as a polymerization initiator, etching agent in electronics manufacturing, and bleaching oxidant.

Typical Specifications & Assays

Parameter	Specification Value
Appearance / Physical State	White high-purity crystalline powder
Main Assay / Active Content	>= 99.4 % Min
Moisture (H2O)	<= 0.25 % Max
pH Value (1% aqueous solution)	6.8 - 8.2
Heavy Metals (as Pb)	<= 5.0 ppm Max
Iron (Fe) content	<= 10.0 ppm Max

Safe Handling & Storage Guidelines

Ensure tight packaging closure. Store in a dry, cool, and well-ventilated chemical warehouse. Do not store together with highly reactive oxidizers or acids. Always wear standard protective gloves, eye protection, and clean breathing masks when handling industrial chemical volumes. Dispose in accordance with US EPA and localized state regulations.