



# Product Specification

## Product Name: Dodeca-TUNGSTOPHOSPHORIC ACID Hydrate AR

Alternate Name(s) Phosphotungstic Acid, Tungstophosphoric Acid.

### Description

Small, colourless to gray or slightly yellow green crystals. Odourless.

### Properties

Chemical Formula:  $H_3PW_{12}O_{40} \cdot xH_2O$

Molecular Weight: 2880.2 + aq

Product Code: TA065

CAS No. 12501-23-4

### General Information:

Soluble in water, acetone, diethyl ether; insoluble in non-polar organic solvents.

### Hazard and Safety Data

UN Group: III  
Class: 8  
UN Number: 3260  
Hazchem code: 2X  
CS MSDS Code: 1CHTI  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: 37

### Quality Specification

Assay: 80% min. (as  $WO_3$ )

### Specific Properties and Impurities [Typical levels]:

Melting point	107°C
Insoluble matter	≤ 0.01%
Chloride (Cl)	≤ 0.01%
Sulfate ( $SO_4$ )	≤ 0.02%
Nitrate ( $NO_3$ )	≤ 0.005%
Ammonium ( $NH_4$ )	≤ 0.005%
Iron (Fe)	≤ 0.002%
Heavy metal (as Pb)	≤ 0.005%

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