



## Specification

### EDTA Free Acid ACS

**Catalog Number:** ED1011  
**CAS Number:** 60-00-4  
**Synonym(s):** N,N,N',N'-Ethylenediaminetetraacetic Acid ACS  
**Molecular Formula:** C<sub>10</sub>H<sub>16</sub>N<sub>2</sub>O<sub>8</sub>  
**Molecular Weight:** 292.25

Test	Specification
Appearance:	White to off-white powder
Identification:	Conforms to standard and structure
Melting Point:	220 – 240 Deg. C (with dec.)
Assay	99.4 - 100.6%
Insoluble in dilute ammonium hydroxide:	0.005% maximum
Residue after ignition:	0.2% maximum
Nitrilotriacetic acid [(HOCOCH <sub>2</sub> ) <sub>3</sub> N]	0.1% maximum
Calcium (Ca):	0.001% maximum
Magnesium (Mg)	5 ppm maximum
Heavy metals (as Pb)	0.001% maximum
Iron (Fe)	0.005% maximum

Approved:

Date: April 15, 2020

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