



## Technical Data Sheet

**PRODUCT** : ASCORBIC ACID  
**MOLECULAR FORMULA** : C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>  
**CAS NO.** : 50-81-7  
**MOLECULAR WEIGHT** : 176.12  
**STANDARD** : BP2009/USP32

ITEMS	STANDARD
CHARACTERISTICS	WHITE CRYSTALLINE POWDER
IDENTIFICATION	POSITIVE REACTION
MELTING POINT	ABOUT 190°C
pH	2.1-2.6
CLARITY SOLUTION	CLEAR
COLOUR SOLUTION	≤BY <sub>7</sub>
COPPER	≤5PPM
HEAVY METALS	≤0.0003%
ARSENIC	≤3PPM
IRON	≤2PPM
OXALIC ACID	≤0.2%
RESIDUE ON IGNITION	≤0.1%
SPECIFIC OPTICAL ROTATION	+20.5° - +21.5°
ASSAY	99.0%-100.5%
LOSS ON DRYING	≤0.15%
ORGANIC VOLATIL IMPURITIES	PASS

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