

H&I Chemicals Ltd

Hesketh House, 5 Ashfield Road
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SALES SPECIFICATION

ASCORBIC ACID CRYSTALLINE POWDER (EP/BP/USP/E300)

Appearance: White Crystalline Powder

Assay: 99 – 100.5%

Colour: < BY₇

pH (2% Solution): 2.4 – 2.8

pH (5% Solution): 2.1 – 2.6

Residue on ignition: ≤ 0.1% max

Heavy Metals: ≤ 3 ppm max

Cadmium: ≤ 1 ppm max

Arsenic: ≤ 1 ppm max

Lead: ≤ 1 ppm max

Iron: ≤ 2 ppm max

Mercury: ≤ 0.1 ppm max

Copper: ≤ 2 ppm max

Loss on drying: 0.4% max

Melting point: About 190°C

Residual Solvents (methanol): ≤ 3000 ppm

Specific optical rotation: +20.5° + 21.5°

Impurity C: 0.15% max

Impurity D: 0.15% max

Unspecified impurity: 0.1% max

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Total impurities: 0.2% max

Impurity E: 0.2% max

Total plate count: $\leq 1,000$ cfu/g

Issue Date: April 2022