

Technical Data Sheet

Eastman™ Hydroquinone, Photographic Grade

Applications

- Agriculture intermediates
- Case & carton sealing closings
- Dyes / pigments / paints
- Flame retardants
- Graphic arts
- Herbicides - intermediate for other
- Intermediates
- Kitchen & bath
- Methyl methyl acrylate (mma)
- Molding & trim interior
- Paints & coatings
- Peek (polyether ether ketone)
- Photographic chemicals
- Photographic supplies
- Polymer modification
- Polymer processing
- Process solvents
- Resins
- Rubber modification
- Specialty chemicals
- Water treatment industrial

Product Description

Eastman™ Hydroquinone, Photographic Grade, is a white crystalline solid. HQ is used as a good general-purpose inhibitor, stabilizer, antioxidant, and intermediate. Hydroquinone is offered in both photographic and USP grades for use in many applications.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	110.11
Empirical Formula	C ₆ H ₆ O ₂
Form	White crystals
Assay	99.4 wt % min.
pH	4.1-4.7
Bulk Density ^a	0.66 g/mL
Density, Solid Phase @ 4°C	1.34 g/mL
Absorptivity	
(5% HQ in 0.1N HCl) @ 455 nm	0.19 max.
(5% HQ in 0.1N HCl) @ 520 nm	0.12 max.
(5% HQ in 0.1N HCl) @ 700 nm	0.07 max.
Water	0.6 wt % max.
Iron	10 ppm
Boiling Point	286 °C (547 °F)
Sublimation Temperature @ 1 mm Hg	132 °C

@ 1 x 10 ⁻² mm Hg	85 °C
@ 1 x 10 ⁻⁴ mm Hg	48 °C
@ 1 x 10 ⁶ mm Hg	20 °C
Yellowness Index	35 max.
Flash Point	
Cleveland Open Cup	177 °C (350 °F)
Fire Point	
Cleveland Open Cup	191 °C (375 °F)
Autoignition Temperature	499 °C (930 °F)

^aUntapped

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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