

CERTIFICATE OF ANALYSIS

Product	Hydroquinone USP		
Synonyms	1,4-Benzenediol		
CAS No.	123-31-9	Batch No.	HYD/025/21-22
A.R. No.	MR/FP/21/05/295	Manufacturing date	May 2021
Batch size	273.900 kg	Retest date	April 2024
Storage condition	Preserve in tight, light-resistant containers		
Date of analysis	17/05/2021		

Test	Specification	Results
Description	Fine white needles. Darkens upon exposure to light and air	Fine white needles. Darkens upon exposure to light and air
Solubility	Freely soluble in water, in alcohol, and in ether	Complies
Identification		
a) By IR	Corresponds to working standard.	Conforms with standard
b) By TLC	The R _f Value of the principal spot obtained from the solution under test corresponds to that obtained from the standard solution.	Complies
c) By UV	A1 in 40,000 solution in methanol exhibits an absorbance maximum at 293±2 nm	Complies
Melting range	Between 172-174 °C	172-174°C
Water (By KF)	Not more than 0.5%	0.21%
Residue on ignition	Not more than 0.5%	0.07%
Assay (By Titration)	Not less than 99.0% and Not more than 100.5% of C ₆ H ₆ O ₂ , calculated on the anhydrous basis.	99.82%
In House test		
Related substance (By HPLC)		
Pyrogallol	Not more than 0.15%	Not detected
Resorcinol	Not more than 0.15%	Not detected
Pyrocatechol	Not more than 0.15%	Not detected
Largest single unknown impurity	Not more than 0.10%	Below LOQ
Total impurities	Not more than 1.0%	Below LOQ

Remark: The above material complies/~~does not comply~~ with specification No. QCD/APS/002-R6

Prepared by <u>Reshma</u> 17/05/2021	Checked by <u>Hitesh</u> 17/05/2021	Approved by <u>Pawan Shukla</u> 17/05/2021
Reshma Kujur Sr.Coordinator - QC	Hitesh Malvia Manager - QC	Pawan Shukla Manager - QA

Format No. : QCD/029/F/01-02

Copy No.02.....