

Certificate of Analysis

CHLORURE DE BETHANECHOL

Lot Number: 16514124
 Product Code: BETHANECHOL CHLORIDE
 Product Grade: STANDARD
 Reference:

ANALYTICAL TESTS	SPECIFICATIONS	RESULTS
DESCRIPTION	white powder	Complies
IDENTIFICATION IR	complies with reference	Complies
IDENTIFICATION	emerald-green color entirely fades after 5 to 10 min brown to dark olive-green precipitate with iodine positive chloride test	Complies Complies
IDENTIFICATION IC	RT complies with reference	Complies
DSC	224 - 234 °C	230 °C
pH	5.5 - 6.5 (1 % aqueous solution)	5.6
LOSS ON DRYING	max. 1.0 %	0.0 %
PARTICLES SIZE	D 90 % : max. 150 µm D 50 % : max. 45 µm	79 µm 25 µm
ASSAY	17.7 - 18.3 % Cl	18.0 %
RESIDUE ON IGNITION	max. 0.1 %	0.0 %
HEAVY METALS	max. 20 ppm	Complies
ASSAY (IC)	98.0 - 101.5 %	99.7 %
IMPURITIES (IC)	2-Hydroxypropyltrimethylammonium Chloride: max. 0.3 % Ammonium Chloride: max. 0.1 % Trimethylammonium Chloride: max. 0.1 % any other impurity: max. 0.10 % total of impurities: max. 0.5 %	N/D N/D N/D N/D
RESIDUAL SOLVENTS	Ethanol: max. 3000 ppm Isopropanol: max. 500 ppm Dichloromethane: max. 500 ppm	1313 ppm 145 ppm 185 ppm

Reference: USP

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Analytical number : 58005
Date of manufacture : (YYYY-MM-DD) 2016-12-29
Date of analysis : (YYYY-MM-DD) 2016-12-30
Date of retest : (YYYY-MM-DD) 2020-12-28

Released by : LAGE ANNE
Released date : (YYYY-MM-DD) 2017-02-06

Conclusion : Complies

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