

Anish Chemicals

355/2, GIDC, CHITRA, BHAVNAGAR - 364 004 (INDIA)

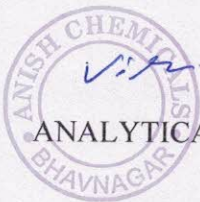
PHONE: + 91-278-2445541

E-mail:- anishchemicals@gmail.com

CERTIFICATE OF ANALYSIS

Product : Calcium Chloride Dihydrate BP
Batch No. : CA/BP/2425/69
Invoice Number & Date : EXP/2425/123 Dt. 28.11.2024
Mfg. Date : November 2024
Exp. Month : 5 Year

	Specifications	Analysis
Appearance	White or almost white crystalline powder, hygroscopic	White or almost white crystalline powder, hygroscopic
Solubility	Freely soluble in water, soluble in 96% ethanol	Complies
Identification	It gives reactions (a) of chlorides, it gives reactions of Calcium & it complies with the limits of assay.	Complies
Appearance of Solution (10%)	Clear and not more coloured than reference solution Y ₆	Complies
Acidity/Alkalinity	NMT 0.2 ml of 0.01 M NaOH or NMT 0.2 ml of 0.01 M HCl	0.10 ml of 0.01 M NaOH
Heavy Metals	Max. 20 ppm	Less than 3 ppm
Magnesium & Alkali Metals	Max. 0.5%	Less than 0.3 %
Aluminium	Max. 1 ppm	Complies
Iron	Max. 10 ppm	Less than 3 ppm
Barium	Any opalescence in sample solution is not more intense than that in standard solution	Complies
Sulphate	Max. 300 ppm	Less than 150 ppm
Assay	97%-103%	98.80 %



ANALYTICAL CHEMIST

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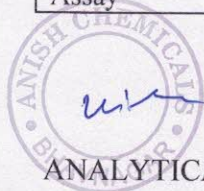
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E-mail:- anishchemicals@gmail.com

CERTIFICATE OF ANALYSIS

Product : Calcium Chloride Dihydrate BP
Batch No. : CA/BP/2425/70
Invoice Number & Date : EXP/2425/123 Dt. 28.11.2024
Mfg. Date : November 2024
Exp. Month : 5 Year

	Specifications	Analysis
Appearance	White or almost white crystalline powder, hygroscopic	White or almost white crystalline powder, hygroscopic
Solubility	Freely soluble in water, soluble in 96% ethanol	Complies
Identification	It gives reactions (a) of chlorides, it gives reactions of Calcium & it complies with the limits of assay.	Complies
Appearance of Solution (10%)	Clear and not more coloured than reference solution Y ₆	Complies
Acidity/Alkalinity	NMT 0.2 ml of 0.01 M NaOH or NMT 0.2 ml of 0.01 M HCl	0.12 ml of 0.01 M NaOH
Heavy Metals	Max. 20 ppm	Less than 2 ppm
Magnesium & Alkali Metals	Max. 0.5%	Less than 0.25 %
Aluminium	Max. 1 ppm	Complies
Iron	Max. 10 ppm	Less than 4 ppm
Barium	Any opalescence in sample solution is not more intense than that in standard solution	Complies
Sulphate	Max. 300 ppm	Less than 180 ppm
Assay	97%-103%	99.05 %

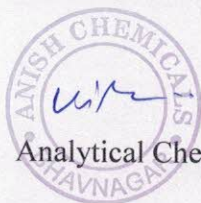


ANALYTICAL CHEMIST

Certificate of Analysis

Product : MAGNESIUM CHLORIDE Hexahydrate BP
 Batch No : MG/BP/2425/36
 Invoice Number & Date : EXP/2425/123 Dt. 28.11.2024
 Manufacture Month : November 2024 Expiry : 5 Years
 Molecular Formula : $MgCl_2 \cdot 6H_2O$

Parameters	Specifications	Results
Identification	It gives reaction of Magnesium It gives reaction (a) of Chlorides It gives reaction of water	Complies
Appearance	Colourless Crystals, hygroscopic	Complies
Solubility	Very soluble in water, freely soluble in 96% ethanol	Complies
Acidity or Alkalinity	Max. 0.3 ml of 0.01M HCl/0.01 M NaOH to neutralize	0.2 ml of 0.01 M NaOH
Appearance of Solution	10.0 gm in 100.0 ml distilled water solution is clear and colourless	Clear and Colorless as per the test prescribed under BP
Bromides	Max. 500 ppm	Less than 200 ppm
Arsenic	Max. 2 ppm	Less than 1 ppm
Heavy Metals	Max 10 ppm	Less than 4 ppm
Iron	Max. 10 ppm	Less than 3 ppm
Sulphate	Max. 100 ppm	Less than 50 ppm
Calcium	Max. 0.1%	Less than 0.06 %
Potassium	Max. 500 ppm	Less than 200 ppm
Water determined on 50mg	51.0% to 55.0%	53.20 %
Aluminium	Max. 1 ppm	Nil
Assay	98.0 % to 101.0 %	99.23 %



Analytical Chemist