

## مجتمع صنايع شيميايي دعتر مجللي

تولید کننده مواد شیمیایی آزمایشگاهی و داروئی

## **CERTIFICATE OF ANALYSIS**

Product: Potassium chloride, Laboratory grade

*Order No.:* 408.05.01000.02

**Batch No/Lot No:** 408.05.03-B14.21

Quantity: 1Kg

**Date of Production:** 14/02/2021 **Retest Date:** 14/02/2023

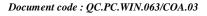
Row	Test Item	Specification	Results	Reference
1	Description	Colorless, elongated, prismatic, or cubical crystals or white, granular powder. Is odorless, has a saline taste, and is stable in air. Its solutions are neutral to litmus.	Conforms	USP40
2	Solubility	Freely soluble in water; insoluble in alcohol.	Conforms	USP40
3	Identification (potassium)	A violet color to a nonluminous flame.	Conforms	USP40<191>
4	Identification (Chloride)	With silver nitrate solutions of chloride yield a white, curdy precipitate that is insoluble in nitric acid but is soluble in slight excess of 6N ammonium hydroxide.	Conforms	USP40 <191>
5	Acidity or alkalinity	N.M.T 0.3ml of 0.020 N sodium hydroxide is required to produce a pink color.	0.1	USP40
6	Loss on drying	N.M.T 1.0 %	0.2	USP40 <731>
7	Iodide	N.M.T 50 ppm	< 50	USP40
8	Bromide	N.M.T 0.1%	< 0.1	USP40
9	Calcium & Magnesium	No turbidity is produced within 5 minutes.	Conforms	USP40
10	Heavy metals	N.M.T 10 ppm	< 10	USP38<231>
11	Assay	Between 99.0 – 100.5 % on the dried basis.	99.2	USP40

QC. Manager: A. Iravani

**Status:** 

Qualified Person: Dr. Mojallali

Date: 15.02.2021









QC Approved