



Certificate of Analysis

EDTA Dipotassium Salt Dihydrate Reagent

Catalog Number: ED1010
Lot Number: 1001904
CAS Number: 25102-12-9
Synonym(s): Ethylenediaminetetraacetic acid dipotassium salt dihydrate, (Ethylenedinitrilo)tetraacetic acid dipotassium salt, Dipotassium ethylenediaminetetraacetate dihydrate, Edathamil, Potassium ethylenediaminetetraacetate dibasic
Molecular Formula: $C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$
Molecular Weight: 404.45
Storage: 15°C – 30°C
Date of Manufacture: May 14, 2018
Retest Date: May 13, 2021

Test	Specification	Result
Appearance	White powder	Conforms
Assay	$\geq 98\%$	100.48%
Identification	To pass test	Conforms
Solubility	Clear to slightly hazy. Colorless to faint yellow as 16% in 3M KOH	Conforms
Potassium	17.0 – 25.5%	21.2%
Moisture (LOD)	$\leq 10.0\%$	8.40%
Sodium	$\leq 0.25\%$	<0.25%

Approved by:

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