



Certificate of Analysis

Pyruvic Acid Sodium Salt

Catalog Number: PA1002
Lot Number: 1127701
CAS Number: 113-24-6
Synonym(s): Sodium pyruvate, α -Ketopropionic acid sodium salt, 2-Oxopropanoic acid sodium salt
Molecular Formula: $C_3H_3O_3Na$
Molecular Weight: 110.04
Storage: 2°C – 8°C
Date of Manufacture: September 26, 2017
Retest Date: September 25, 2020

Test	Specification	Result
Appearance	White to faint yellow powder	Conforms
Assay	$\geq 99.0\%$	99.6%
Free Acid	$\leq 0.25\%$	0.1%
Pyruvic Ion	$\geq 76.0\%$	77.1%
Clarity of Solution	$\geq 90\%$	93%
Solubility	Clear & colorless to faint yellow	Conforms
pH	5 - 7	6.2
Moisture (LOD)	$\leq 0.5\%$	0.1%
Chloride	$\leq 0.01\%$	< 0.01%
Sulfate	$\leq 0.04\%$	< 0.04%
Heavy Metals	$\leq 10\text{ppm}$	< 10ppm
Arsenic	$\leq 1\text{ppm}$	< 1ppm

Approved by:

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