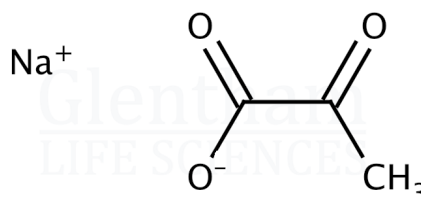


## Certificate of Analysis

Product Name	Sodium pyruvate, 99%, GlenCell™, suitable for cell culture
Glenthams Code	GX0590
CAS Number	113-24-6
EINECS	204-024-4
MDL Number	MFCD00002586
Batch Number	413TVD
Molecular Weight	110.04
Molecular Formula	C <sub>3</sub> H <sub>3</sub> NaO <sub>3</sub>
Storage Temp.	+20°C



Property	Specification	Batch 413TVD
Physical Description	White or almost white crystalline powder	White crystalline powder
Colour (10% in water)	≤ 20 Hazen	Conforms
pH (10% in water)	5.0 - 7.0	6.8
Chloride	≤ 0.01%	Conforms
Sulphate	≤ 0.01%	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Free Pyruvic Acid	≤ 0.1%	Conforms
Loss on Drying	≤ 0.5%	Conforms
Assay	≥ 99.0% (dried basis)	100.0%
Specification Version	v1.0	
Manufacture Date	2022-09-02	
Re-Test Date	2030-10-18	

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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