

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Dihydroxyacetone
INCI Name: 1,3-dihydroxy-2-propanone
CAS Number: 96-26-4
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 36 months from production date

Property	Specification	Analysis
Appearance	White to almost white, not more than cream colored, fine crystalline, free flowing powder*	Pass
Assay (Calc. on Anhydrous Substance)	98.0 - 102.0%	100.3%
Identity (IR Spectrum)	Conforms	Pass
Appearance of Solution (10% water/ethanol 96% (20/80))	Transparent without any cloudiness for 72 hours	Pass
Appearance of Solution (Clarity)	Clear to almost clear	Almost clear
Appearance of Solution (Color (25% water))	≤50 Hazen	<5 Hazen
pH Value (5% water)	4.0 - 6.0	4.6
As (Arsenic)	≤0.0003%	<0.0003%
Fe (Iron)	≤0.002%	<0.002%
Heavy Metals (as Pb)	≤0.001%	<0.001%
Formic Acid (NMR)	≤30.0 ppm	<15.0 ppm
Glycerol (HPLC)	≤0.5%	≤0.5%
Methanal	≤50.0 ppm	23 ppm

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.

(HPLC)		
Protein (Colorimetric)	≤0.1%	<0.1%
Sulfated Ash (600° C)	≤0.10%	0.03%
Volatile Matter (IR-Drying)	≤0.5%	0.1%
Water (according to Karl Fisher)	≤0.20%	0.05%
Microbial Purity (Total Viable Aerobic Count)	≤100 CFU/g	≤100 CFU/g
E.coli	Absent in 1g	Absent in 1g
Pseudomonas aeruginosa	Absent in 1g	Absent in 1g
Staphylococcus aureus	Absent in 1g	Absent in 1g
Candida albicans	Absent in 1g	Absent in 1g
Salmonella species	Absent in 10g	Absent in 10g

*Partly with granular parts

“Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

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