MAKINGCOSMETICS

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Dihydroxyacetone
INCI Name: dihydroxy-2-propanone, dihyxal
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

Analytical Tests	Specification	Actual Analysis
Appearance	White to almost white fine crystalline-free flowing powder, eventually with granular parts	Pass
Identity (IR-spectrum)	Conforms	Pass
Assay (calc. on anhydrous substance)	98.0 – 102.0%	99.2%
Appearance of solution (10% water/ethanol 96%; 20/80)	Transparent w/out any cloudiness for 72 hours	Pass
Appearance of solution (colour)	≤50 Hazen	2 Hazen
pH value (5% water)	4.0 – 6.0	4.8
Heavy metals (as Pb)	≤ 0.001%	≤ 0.001%
As (Arsenic)	≤ 0.0003%	≤ 0.0003%
Fe (Iron)	≤ 0.002%	≤ 0.002%
Protein (colorimetric)	≤ 0.1%	≤ 0.1%
Glycerol (TLC)	≤ 0.5%	≤ 0.5%
TLC – Test	Passes	Pass
Formic acid	≤ 30 ppm	≤ 30 ppm
Methanal (HPLC)	≤ 50 ppm	18.3 ppm
Sulfated ash (600°C)	≤ 0.10%	≤ 0.01%
Water (according to Karl Fiscl er)	≤ 0.20%	0.02%
Microbiological purity (total viable acrobic count)	≤ 100 CFU/g	≤ 100 CFU/g

The above data were 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.

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