



**COSMETIC  
SUPPLIES  
USA, INC.**



## LACTIC ACID

Lactic acid ( 2-hydroxypropanoic acid ), also known as milk acid , is a chemical compound that plays a role in several biochemical processes. It is a Carboxylic acid with a chemical formula of  $C_3H_6O_3$ . It has a hydroxyl group adjacent to the carboxyl group, making it an alpha hydroxy acid. It is miscible with water or ethanol and is hygroscopic. Alpha Hydroxy acids have been used for thousands of years as a skin rejuvenating product. Cleopatra is reported to have bathed in sour milk (lactic acid) to improve her complexion. Lactic acid is well known not only for it's skin hydrating properties but as one of the gentler AHA exfoliants. Lactic acid tends not to irritate the skin as much as Glycolic acid.

ANALYSIS	SPECIFICATIONS	RESULTS
Identification	Passes	Passes FCC V Ref
Appearance	Colorless/Transparent	Colorless
Assay (Total Lactic Acid)	88.0%	89.86%
Sulfates	< 10 ppm	Passes
Calcium	<1 ppm	Passes
Heavy Metals (As Pb)	< 10 ppm	Passes
Lead	< 0.5 ppm	Passes
Cyanide	< 5 ppm	None Detected
Iron	< 10 ppm	Passes
Iron	5.0 ppm Max	0
Arsenic (As)/Mercury/Citric Acid	Passes Test	Passes
Residue on Ignition	< 0.05%	Passes

The above data is provided for the convenience of the user and does not relieve the user of normal liability for inspection of material upon delivery or prior to actual use. Statements concerning the possible use of our product are not intended as a recommendation to use our product in the infringement of any patent.

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