

BulkActives

3F., No.288, Sinfong St., Zhongjheng District, Keelung City 20251, Taiwan. Phone number: (+886) 961137419

Certificate of Analysis**Product Name:** L(+)-DMAE BITARTRATE
Batch Number : 090324**Mfg.Date:** March 23, 2009
Test Date: March 24, 2009

Items	STANDARD	Results
appearance	white, crystalline powder	
melting point	112-114 degrees C	
solubility	water and ethanol	
Content % min	99 ~ 101	99.5
Dimethylaminoethanol content %	36.9 ~ 37.68	37.2
Condition of water solution	Passes test	complies
Cd≤%	0.0001	complies
Lead(Pb)%max	10ppm	complies
PH	3.2-3.8	3.3
Loss on drying %max	1	0.4%
Specific Rotation	+17.5 ~ +18.5	complies
Melting Point	110-120°C	complies
E. Coli	Negative	complies
Salmonelia	Negative	complies
Coliforms	Negative	complies
Yeast &Mould	<100g	complies
Total plate count	≤3000g	complies

USABLE LIFE AND STORAGE

Store in a cool and dry place. Keep away from strong light and heat. Store in tightly closed containers. When properly stored, this product has a usable life of 24 months from the date of production.

LIMITATIONS

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

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LIMITED WARRANTY – PLEASE READ CAREFULLY

The information contained herein is offered in good faith based on BulkActives' research and information provided by manufacturers and distributors, and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that BulkActives' products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.