

Description

PROTECT-M, based on Mirenat® is a Lauric Arginate (LAE), N^α-lauroyl-L-arginine ethyl ester formulation. LAE is a novel antimicrobial compound derived from lauric acid, arginine and ethanol. PROTECT-M has a slight yellowish color.

Specification

Product	Lauric arginate
Form	liquid
Color	slight opalescent and yellowish
Assay LAE	10.0-11.0 % w/w
Refractive index at 20°C	1.43-1.47
Viscosity at 20°C	max. 150 cps
pH (1%, 20°C)	2-6

Physical-chemical properties

Molecular formula	Lauric arginate: C ₂₀ H ₄₀ N ₄ O ₃ H ₂ O HCL
Chemical name	L-Arginine, N ^α -(1-oxododecyl)-, ethyl ester monohydrochloride Ethyl- N ^α -lauroyl-L-arginate monohydrochloride

Registration

CAS number	Lauric arginate: 60372-77-2
FDA	self affirmed GRAS (FDA no objection letter)
USDA/FSIS	FSIS Directive 7120.1

Intended Use

Intended Use	Food
Recommended use level	0.1-0.2% PROTECT-M; dilution is recommended for better surface coverage
Max. use level	0.2% PROTECT-M

Copyright © PURAC. All rights reserved. No part of this publication may be copied, downloaded, reproduced, stored in a retrieval system or transmitted in any form by any means, electronic, mechanical, photocopied, recorded or otherwise, without permission of the publisher. No representation or warranty is made as to the truth or accuracy of any data, information or opinions contained herein or as to their suitability for any purpose, condition or application. None of the data, information or opinions contained herein may be relied upon for any purpose or reason. PURAC disclaims any liability, damages, losses or other consequences suffered or incurred in connection with the use of the data, information or opinions contained herein. In addition, nothing contained herein shall be construed as a recommendation to use any products in conflict with existing patents covering any material or its use.

For further information:

<http://www.purac.com/>

Page 1 of 1