

PURAC® FRESH S**Description**

PURACFRESH S is a specialty blend of natural L(+) lactic acid, which is produced by fermentation of sugar, and acetic acid. PURACFRESH S does not contain preservatives and has a mild acid taste. The primary functions of PURACFRESH S are preservation, flavoring and pH regulation.

Specification

Product	lactic acid, acetic acid
Form	liquid
Grade	edible
Color	max. 50 Apha
Specific gravity	1.16-1.18 g/ml
Total acid expressed as lactic acid	77-83% w/w
pH direct	3.0-3.4
pH (14.3 g ->100ml)	3.0-3.4
Heavy metals total	max. 10 ppm
Iron	max. 10 ppm
Calcium	max. 20 ppm
Sulphate	max. 20 ppm
Chloride	max. 50 ppm
Sodium	2.9-3.2%
Mesophilic bacteria	max. 10 counts/g
Molds	max. 10 counts/g
Yeasts	max. 10 counts/g

Physical-chemical properties

Molecular formulas	CH ₃ CHOHCOOH (lactic acid) CH ₃ COOH (acetic acid)
Molecular weight	90 (lactic acid), 60 (acetic acid)
Chemical name	2-hydroxypropionic acid (lactic acid), ethanoic acid (acetic acid)

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 2



Registration

CAS number

79-33-4(general 50-21-5)
lactic acid

EEC Additive number

64-19-7 (general no.
acetic acid)
E 270 (lactic acid)
E 260 (acetic acid)

Packaging

PURAC® FRESH is supplied in 255 kg (562 lbs) polyethylene drums (55 gallon) and small drums (25 kg)

Product data

Rev.No.3/4304

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 2 of 2