

PURASAL[®] HiPure P**Description**

PURASAL HiPure P is the potassium salt of natural L(+)-lactic acid, which is produced by fermentation from sugar. It has no taste impact on the end product, antimicrobial properties and is neutral by pH. PURASAL HiPure P is the ultra pure food grade potassium-L-lactate with excellent organoleptic properties.

Specification

Product Form potassium-L-lactate liquid

Assay (w/w) 58.8-61.2%
Assay potassium (w/w) 17.9-18.6%
Density at 20°C 1.32-1.35 g/ml
Refractive index at 25°C 1.415-1.422

Color fresh max. 50 apha

Identification of potassium passes test
Identification of lactate passes test
Stereochemical purity (L-isomer) min. 95%

Cyanide max. 0.3 ppm
Lead max. 2 mg/kg
Citrate/oxalate/phosphate/tartrate passes test
Sugars passes test
Methanol and methyl esters (w/w) max. 0.025%
Chloride (w/w) max. 0.05%
Sulphate (w/w) max. 0.005%
pH direct 6.5-8.5
pH 10% (w/w) 5.5-7.5
Sodium max. 200 ppm

Physical-chemical properties

Molecular formula $\text{CH}_3\text{CHOHCOOK}$
Molecular weight 128 (anhydrous)
Chemical name Potassium-L-2-hydroxy-propionate

Registration

CAS number 85895-78-9 (general 996-31-6)
EEC additive number E 326
USA GRAS
Complies with latest FCC

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



Packaging

Product data

Rev.No.7/3103

PURASAL HiPure P is supplied in 210 L (55 gallon) polyethylene drums (275 kg, 606 lbs), 1000 L (264 gallon) semi-bulk containers (1315 kg, 2899 lbs) and bulk containers.

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