

# Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

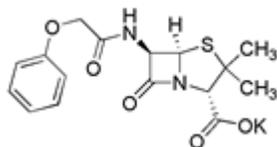
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

<b>Catalogue Number</b>	01418
<b>Product</b>	<b>Phenoxyethylpenicillinic acid potassium salt</b> Penicillin V
<b>CAS Number</b>	132-98-9
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>17</sub> N <sub>2</sub> O <sub>5</sub> SK
<b>Molecular Weight</b>	388.5

<b>Appearance</b>	White or off-white crystalline powder
<b>Crystallinity</b>	To pass test
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>pH</b>	5.5 - 7.5
<b>Mould and Yeast</b>	≤ 100 CFU/g
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 215 to 230 °
<b>Residual Solvents</b>	Butanol : ≤ 0.5% Butyl acetate : ≤ 0.5%
<b>Microbial Count</b>	≤ 1000 CFU/g (TAC)
<b>Related Substances</b>	Impurity E : ≤ 1% Impurity F : ≤ 1% Impurity B : ≤ 0.3% Any other impurity : ≤ 0.15% Total impurities : ≤ 3% 4-hydroxy phenoxyethyl penicillin potassium : ≤ 4%
<b>Assay</b>	95 - 102%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Ratio of optical density : 306 nm : ≤ 0.2 274 nm : ≥ 0.5 Chroma : ≤ 2

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**For Laboratory Use Only**