

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	01418
<b>Product</b>	<b>Phenoxymethylpenicillinic acid potassium salt</b>
<b>Lot Number</b>	002197-210201
	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

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<b>Appearance</b>	White or off-white crystalline powder
<b>Crystallinity</b>	Passes test
<b>Water Content (Karl Fisher)</b>	0.04%
<b>pH</b>	7
<b>Mould and Yeast</b>	< 50 CFU/g
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 229 °
<b>Residual Solvents</b>	Butanol : 0.012% Butyl acetate : 0.0004%
<b>Microbial Count</b>	< 50 CFU/g (TAC)
<b>Related Substances</b>	Impurity E : 0.09% Impurity F, Impurity B : Not detected Any other impurity : 0.11% Total impurities : 0.2% 4-hydroxy phenoxymethyl penicillin potassium : 0.1%
<b>Assay</b>	99.9%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Ratio of optical density : 306 nm : 0.079 274 nm : 0.51 Chroma : 0.5

# *Certificate of Analysis*

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**