

# *Chem-Impex International, Inc.*

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**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

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## *Certificate of Analysis*

<b>Catalogue Number</b>	00756
<b>Product</b>	<b>Penicillin G potassium salt</b>
<b>Lot Number</b>	001204-202001063
	Benzylpenicillin potassium salt
<b>CAS Number</b>	113-98-4
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> SK
<b>Molecular Weight</b>	372.48

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<b>Appearance</b>	White or almost white crystalline powder
<b>Clarity &amp; Color</b>	Clarity : < 0.5 Color : < 0.5 YG
<b>pH</b>	6.2
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 290 °
<b>Loss on Drying</b>	0.1%
<b>Related Substances</b>	Max. individual impurity : 0.10%
<b>Potency (as is)</b>	1584 u/mg
<b>Purity by HPLC</b>	99.1%
<b>Grade</b>	USP
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Identification : 1: The retention time of main peak of test solution should comply with that of main peak of reference solution in assay testing. 2: The flame reaction of potassium ions. Absorbance : At 400 nm : 92.8%

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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**