

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	21508
<b>Lot Number</b>	000156-0000008041
<b>Product</b>	<b>2-Nitrophenyl-<i>N</i>-acetyl-<math>\beta</math>-D-glucosaminide</b>  (2'-Nitro)phenyl-2-acetamido-2-deoxy- $\beta$ -D-glucopyranoside  2-Nitrophenyl- <i>N</i> -acetyl- $\beta$ -D-glucosamine
<b>CAS Number</b>	13264-92-1
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>8</sub>
<b>Molecular Weight</b>	342.3

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<b>Appearance</b>	Off-white crystalline powder
<b>Turbidity</b>	0.6 NTU (0.5% in water)
<b>Water Content (Karl Fisher)</b>	0.3%
<b>TLC System</b>	Butanol/Acetic acid/Water (3:1:1)
<b>Optical Rotation</b>	$[\alpha]_D^{20} = -34.7^\circ$ (C=0.5 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Related Substances</b>	< 0.1%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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