



## Specification

### N-Acetyl-D-Glucosamine

<b>Catalog Number:</b>	AG1014
<b>CAS Number:</b>	7512-17-6
<b>Synonym(s):</b>	2-Acetamido-2-deoxy-D-glucopyranose, GlcNAc
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>15</sub> NO <sub>6</sub>
<b>Molecular Weight:</b>	221.21
<b>Storage:</b>	2°C – 8°C
<b>Retest Period:</b>	Two years from the date of manufacture

Test	Specification
Appearance	White to off-white crystalline powder
Assay	≥ 98.0%
Specific Rotation	+39.0° to +45°
Identification (FTIR)	To match reference spectra
Melting Point	192°C – 205°C
Solubility (5% in H <sub>2</sub> O)	Clear to slight haze, colorless to light yellow
Moisture (LOD)	≤ 1.0%
Residue on Ignition	≤ 1.0%
Heavy Metals	≤ 10ppm

Approved:

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Date: September 17, 2018