

## neoFroxx GmbH

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## Specification

Product	Penicillin G sodium salt for biochemistry
Product number	1408
Synonyms	Benzylpenicillin sodium salt
Formula	C <sub>16</sub> H <sub>17</sub> N <sub>2</sub> NaO <sub>4</sub> S
Molecular weight	356.37 g/mol
CAS number	69-57-8
Storage	2 - 8°C. store in tightly closed poly-liners within a sealed container in an odor-free environment
Retest period (months)	36

\*\*\* research use only \*\*\*

Parameter	Specification
Appearance	white or almost white crystalline powder
Assay	96 - 102 %
Potency	1500 - 1750 U / mg
Specific rotation	+285° - +310°
pH (3% in water, 20°C)	5.5 - 7.5
Loss on drying	<= 1 %
Related substances	
individual impurities	<= 1 %
2-Ethylhexanoic acid	<= 0.5 %

Einhausen, 03.06.2024