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## Product Specification

Product Name:

Nuclease P1 from *Penicillium citrinum* - lyophilized powder, ≥200 units/mg protein (E1%/280, 3'-5'-Phosphodiesterase)

Product Number:

**N8630**

CAS Number:

54576-84-0

MDL:

MFCD00131010

Storage Temperature:

2 - 8 °C

TEST	Specification
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Appearance (Color)

White

Appearance (Form)

Powder

% Protein (UV)

≥ 85

mg protein/vial (UV)

≥ 1.0

units/vial

≥ 250

3'- 5' - Phosphodiesterase Activity

units/mg protein

≥ 200

3'- 5' - Phosphodiesterase Activity

One unit will liberate 1.0 micromole of acid soluble nucleotides from RNA per minute at pH 5.3 at 37 deg C.

units/mg protein

≥ 1000

3'- Nucleotidase Activity

One unit will hydrolyze 1.0 micromole of orthophosphate from 3'-AMP per minute at pH 7.2 at 37 deg C.

Recommended Retest Period

4 years

Specification: PRD.0.ZQ5.10000044265

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.