

Certificate of analysis

Product Name/Description: Pyrophosphatase (inorganic), HQ
Cat. #: 2451A
Lot #: AN5S001
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 1000 U

Package Contents: 1. Pyrophosphatase (inorganic), HQ 1 U/μl 1000U

Quality Control Data:

Pyrophosphatase (inorganic), HQ

Test items	Methods	Specifications	Results
1) Appearance	Visual inspection	Clear, colorless solution	Passed
2) Protein concentration	Bradford assay	Actual value	848 μg/mL
3) Protein purity	SDS-PAGE	≥95%	100%
4) Activity	Colorimetric assay	0.5 - 2.0 U/μL	1.1 U/μL
5) Exonuclease contamination	Incubation with Hind III-digested DNA	Not detectable	Passed
6) Endonuclease contamination	Incubation with supercoiled plasmid DNA	Not detectable	Passed
7) DNase contamination	Incubation with linear DNA	Not detectable	Passed
8) RNase contamination	Incubation with rRNA	Not detectable	Passed
9) Protease contamination	Fluorometric assay	Not detectable	Passed
10) Phosphatase activity	Colorimetric assay	≤0.0001 U/U *	Passed
11) Residual host DNA	Fluorometric assay	Not detectable	Passed
12) Residual host RNA	Fluorometric assay	Not detectable	Passed
13) Endotoxin	Turbidimetric assay	≤5 EU/mL	<1 EU/mL
14) Bioburden	Membrane filtration	<5 CFU/mL	0 CFU/mL

* Phosphatase activity per 1 unit of Pyrophosphatase (inorganic), HQ

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:

www.takara-bio.co.jp (Japanese)

www.takarabio.com (English)

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