

Certificate of Analysis

Item Number	Product Description	Lot Number
CP-F5025R	Proteinase K Recombinant PCR Grade, 10 G	1415-2820
Formula	Molecular Weight	Cas Number
	29.3 kDA	39450-01-6

QC TEST/RELEASE DATE: 10/31/2022

SUGGESTED RETEST DATE: 04/21/2024

S.No	Test	Unit	Specifications	Test Value
1	Appearance		White loose powder	passed
2	Activity	U/mg powder	≥ 30.0	53
3	Specific Activity	U/mg protein	≥ 40.0	43
4	pH		5.0 - 7.0	5.9
5	Protein Content	%	≥ 90	> 90
6	DNase		Not Detected	passed
7	RNase		Not Detected	passed
8	BSE/TSE Free		BSE/TSE Free	passed
9	Country of Origin		China	passed
10	Grade		PCR	passed
11	Application		Stock solution can be prepared as a 20-40mg/mL solution in 50mM Tris-HCl (pH 7.5), 3mM CaCl ₂ , 50% Glycerol.	passed

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Certain products (USP/FCC/NF/EP/BP/JP grades) are sold for use in research and further manufacturing only. **NOT FOR USE IN FOOD, DRUG OR MEDICAL DEVICE MANUFACTURING.** Persons using this information should make their own determination regarding its suitability for their particular use.

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