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ePure STD DNA Extraction Kit		Date of issue 23.06.2026

Certificate of Analysis

Product Name: ePure STD DNA Extraction Kit

Catalogue Number: E2007

LOT Number: 231007F

Quality Control **Passed**

Magnetic Beads

The Magnetic bead binding capacity was tested by whole blood or DNA virus as samples to check the difference between lots, the variation should meet our standards **Passed**

Proteinase K activity

One unit is defined as the amount of enzyme that will be liberate 1 µmol tyrosine from casein per min at 37 °C and pH 7,5 **Passed**

Buffers

Conductivity and pH of buffers were tested to be within the range below

Buffers	Conductivity (mS/cm)	pH	Result
Lysis buffer	20 – 35 (1/10 dilution)	4,5-5,5	Passed
Binding buffer	1,0 – 2,5	7,5-7,9	Passed
Wash buffer 1	80 – 120	7,0-7,5	Passed
Wash buffer A	35 – 41	7,5-8,2	Passed
Wash buffer B	35 – 41	7,5-8,2	Passed
Elute buffer	0,5-0,7	7,8-8,3	Passed

Performance

Using liver tissue sample to check the difference between lots. Analysis by spectrophotometer and agarose gel electrophoresis, the variation should below 10% **Passed**

Storage conditions

ePure STD DNA Extraction Kit should be store at room temperature (15 – 25 °C). Storage at higher temperature should be avoided.



Quality Assurance