



CERTIFICATE OF ANALYSIS

Agilent Product Name: Oligonucleotide Ladder Standard

Agilent Part No: 5190-9029

Lot or Batch No: 231160199

Expiration Date: 2020-FEB-26

Instructions

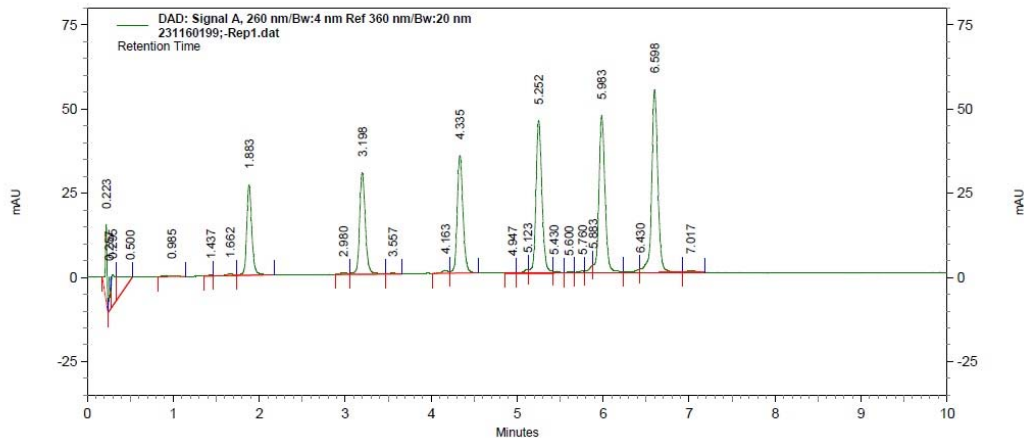
It is recommended to reconstitute the standard with 1000 µl of water

Product Specifications/Analysis

All individual oligonucleotides are purified by HPLC. Molecular weight is determined for each individual oligonucleotide using ESI mass spectrometry. Amount is determined by HPLC analysis of the mixture using an independently prepared calibration curve.

Sequence Name	Sequence	Purity Guarantee	Molecular Weight (Da)	Amount (nmole)
15mer	TTTTT TTTTT TTTTT	85%>	4501.1	2
20mer	TTTTT TTTTT TTTTT TTTTT	85%>	6022.3	2
25mer	TTTTT TTTTT TTTTT TTTTT TTTTT	85%>	7543.7	2
30mer	TTTTT TTTTT TTTTT TTTTT TTTTT TTTTT	85%>	9064.7	2
35mer	TTTTT TTTTT TTTTT TTTTT TTTTT TTTTT TTTTT	85%>	10585.9	2
40mer	TTTTT TTTTT TTTTT TTTTT TTTTT TTTTT TTTTT TTTTT	85%>	12107.2	2

Chromatogram



Testing Conditions:

Column: Agilent AdvanceBio Oligonucleotides Column, 2.1 x 50mm

Mobile Phase A: 100mM TEAA in water

Mobile Phase B: 100mM TEAA in acetonitrile

Gradient: 10 to 14% B in 10 minutes

Flow Rate: 0.6mL/min

Column Temperature: 65°C

Injection Volume: 5 µL

Detection: UV @ 260 nm



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Manufacturing Statement

These oligonucleotides were manufactured and verified under a quality system registered to ISO 9001:2008.

Date of Manufacture: 2018-FEB-26