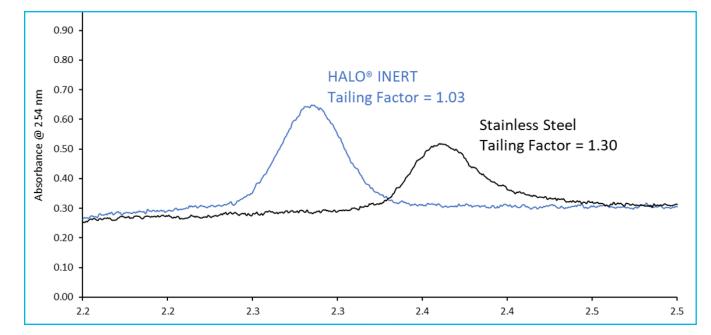
## HALO

BIOPHARMACEUTICALS



## Advantage of Inert Hardware with HALO® OLIGO C18



## **TEST CONDITIONS:**

Column: HALO 120 Å OLIGO C18, 2.7 µm, 2.1 x 50 mm Part Number: P2A62-402 Mobile Phase A: 100mM TEAA, Adjusted to pH = 8.4 Mobile Phase B: ACN Gradient: Time %B

Time%B0.083.0103.5204.0204.188.08

Flow Rate: 0.5 mL/min Back Pressure: 146 bar Temperature: 60 °C Injection: 1.0  $\mu$ L Sample Solvent: 10mM Tris HCl/ 1mM EDTA pH = 8.0 Wavelength: PDA, 254 nm Flow Cell: 1  $\mu$ L Data Rate: 40 Hz Response Time: 0.05 sec. LC System: Shimadzu Nexera X2

## **PEAK IDENTITIES**

1. Oligo dT, 15 mer

Oligonucleotides are known to exhibit non-specific adsorption to stainless steel. In this comparison, the advantages of the inert column hardware over stainless steel hardware are demonstrated. The peak area is 46% larger and the tailing factor is 26% lower with the inert column hardware, which is used for HALO<sup>®</sup> OLIGO C18. Furthermore, the retention time is decreased since non-specific metal interactions are reduced when using the inert hardware.

AMT\_AN\_Rev\_0

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