*A*lfa *A*esar

Certificate of analysis

1,1,2,2-Tetrachloroethane-d $\{2\}$, 99.6% (Isotopic)

Stock Number: 42347 Lot Number: C29L08

Analysis

Chemical purity	98+%
1H NMR for Chemical purity	Passes
1H NMR of Isotopic enrichment	99.8%
1H NMR for Protic water content (<100 ppm)	19 ppm
Karl Fischer titration for Total water (<1000 ppm)	Passes
pH (>5.0)	Passes

Certified by:

Quality Control

Paul V Cornally

ThermoFishe