

Calibration Certificate for Seal Auto Analyzer AA500

Name of the Customer : ICAR- National Institute for Research on Commercial Agriculture

Serial Number : 8063859 (AA500)

Calibration Done on : 19 JUNE 2025

Next Calibration Due on : 18 JUN 2026

Run File Name : 19 JUNE 25 ARI.RUN

Channels : Nicotine, Reducing Sugars, and Chloride

Baseline stability Expected : 10% +/- 0.5%

Baseline stability Observed : 10.02%

Calibration Curve Correlation Coefficient Expected: Equal or Better than 0.999

Calibration Curve Correlation Coefficient Observed:

Nicotine: 1.0000, Reducing Sugars: 1.0000 and Chloride: 1.0000

Sensitivity : Nicotine : Expected: 0.08 – 0.93, Actual: 0.12
: Reducing Sugars : Expected: 0.23 – 0.25, Actual: 0.24
: Chloride : Expected: 0.13 – 0.74, Actual: 0.37

Accuracy:

Method	Cal.5, Expected	Cal.5, Measured	Accuracy
Nicotine	25 PPM	25.40 PPM	98.42 %
Total Sugars	100 PPM	99.99 PPM	99.99 %
Chloride	25 PPM	24.92 PPM	99.67 %



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