

Reference Material Data Sheet

RT2 Ground Flue-Cured Tobacco

Data Sheet Number: 2024-RT02CTRP

Reference values generated on: May 09, 2024

Reference values are valid until: May 09, 2029

Superseded data sheet code: **2019-RT02CTRP**

| | |
|--------------------------|--------------------------------------|
| Description of Material | Ground raw tobacco |
| Lot/Batch Number | RT2 Ground Flue-Cured Tobacco |
| Matrix | Single-variety tobacco |
| Major starting materials | Flue-cured tobacco |

Notes

- Reference values listed below reflect analysis results submitted by a single laboratory using a single method satisfying Clause 5.15 of ISO Guide 34:2009 and statistically evaluated using Approach A in Clause 10.5 of ISO Guide 35:2006.
- The "Reference Uncertainty" listed herein are expanded uncertainties obtained by multiplying the combined standard uncertainty by a constant coverage factor of 3, i.e. $k = 3$.
- The reference values listed herein are reflective of chemical analysis done on an "as is" basis, i.e. the samples were not dried prior to analysis.

RT2 Ground Flue-Cured Tobacco Reference Values and Uncertainties

| Reference Values and Uncertainties | | | | | |
|------------------------------------|-----------------|-----------------------|------|--------------------------------|--------------------------|
| Parameter | Reference Value | Reference Uncertainty | Unit | Number of accepted data points | Constant Coverage factor |
| Nicotine | 25365 | 409 | µg/g | 36 | 3 |
| Nornicotine | 668 | 153 | µg/g | 36 | 3 |
| Anabasine | 182 | 44 | µg/g | 36 | 3 |
| Anatabine | 1256 | 335 | µg/g | 36 | 3 |
| NNN | 108 | 36 | ng/g | 36 | 3 |
| NAT | 195 | 30 | ng/g | 36 | 3 |
| NAB | 12 | 5 | ng/g | 31 | 3 |
| NNK | 81 | 37 | ng/g | 36 | 3 |
| Moisture | 12.5 | 0.2 | % | 33 | 3 |

INSTRUCTIONS FOR CORRECT USE:

The reference material should be stored in the original packaging or in airtight containers just large enough to contain the sample in a cool dry place (~4°C) upon receipt. If the reference material will not be used within ~1 week, it is recommended that the reference material be stored at, or below, -20°C until needed. Allow the reference materials to thaw and equilibrate in the refrigerator (~4°C) for 24 hours and then at least 1 hour at ambient conditions prior to using.

HAZARD INFORMATION: N/A

HOMOGENEITY: Homogeneity of this material is reflected in the expanded uncertainties disclosed herein.

APPROVING PERSONNEL: This material is approved by **Huihua Ji, C. Ruth McNees** and **Ling Yuan** on behalf of CTRP.