

Reference Material Data Sheet

Ground Dark Fire-Cured Tobacco

Data Sheet Number: 2016-GT02CTRP

Reference values generated on: 05/12/2016

Reference values are valid until: 05/12/2017

Superseded data sheet code: N/A

| | |
|--------------------------|-------------------------|
| Description of Material | Ground raw tobacco |
| Lot/Batch Number | RTDFC |
| Matrix | Single-variety tobacco |
| Major starting materials | Dark fire-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 a "as is" basis, i.e. the samples were not dried prior to analysis.

RTDFC Reference Values and Uncertainties

| Reference Values and Uncertainties | | | | | |
|------------------------------------|-----------------|-----------------------|------|--------------------------------|--------------------------|
| Parameter | Reference Value | Reference Uncertainty | Unit | Number of accepted data points | Constant Coverage factor |
| Nicotine | 35494 | 483 | µg/g | 18 | 3.00 |
| Nornicotine | 532 | 19 | µg/g | 18 | 3.00 |
| Anabasine | 168 | 16 | µg/g | 18 | 3.00 |
| Anatabine | 742 | 26 | µg/g | 18 | 3.00 |
| NNN | 2.03 | 0.07 | µg/g | 18 | 3.00 |
| NAT | 2.98 | 0.90 | µg/g | 18 | 3.00 |
| NAB | 0.24 | 0.04 | µg/g | 18 | 3.00 |
| NNK | 0.44 | 0.06 | µg/g | 18 | 3.00 |
| Moisture | 12.6 | 0.1 | % | 18 | 3.00 |

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 for distribution by **Huihua Ji** and **Socrates Jose P. Cañete** on behalf of CTRP.