

Reference Material Data Sheet

Ground Oriental Tobacco

Data Sheet Number: 2016-GT04CTRP

Reference values generated on: 08/19/2016

Reference values are valid until: 08/19/2017

Superseded data sheet code: N/A

Description of Material	Ground raw tobacco
Lot/Batch Number	RT3
Matrix	Single-variety tobacco
Major starting materials	Oriental 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.

RT3 Reference Values and Uncertainties

Reference Values and Uncertainties					
Parameter	Reference Value	Reference Uncertainty	Unit	Number of accepted data points	Constant Coverage factor
Nicotine	5269	108	µg/g	18	3.00
Nornicotine	253	15	µg/g	18	3.00
Anabasine	<LOQ ¹	NA	µg/g	18	3.00
Anatabine	122	11	µg/g	18	3.00
NNN	49	6	ng/g	18	3.00
NAT	15	5	ng/g	18	3.00
NAB	<LOQ ²	NA	ng/g	18	3.00
NNK	<LOQ ³	NA	ng/g	18	3.00
Moisture	12.3	0.2	%	18	3.00

¹ Method LOQ (Anabasine) = 40 µg/g; ² Method LOQ (NAB) = 10 ng/g; ³ Method LOQ (NNK) = 15 ng/g

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.