

Reference Material Data Sheet

RT5 High TSNA Ground Tobacco

Data Sheet Number: 2024-RT05CTRP

Reference values generated on: May 09, 2024

Reference values are valid until: May 09, 2029

Superseded data sheet code: **2019-RT05CTRP**

Description of Material	Ground raw tobacco
Lot/Batch Number	RT5 High TSNA Ground Tobacco
Matrix	Single-variety tobacco
Major starting materials	Dark air-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.

RT5 High TSNA Ground Tobacco Reference Values and Uncertainties

Reference Values and Uncertainties					
Parameter	Reference Value	Reference Uncertainty	Unit	Number of accepted data points	Constant Coverage factor
Nicotine	27731	2462	µg/g	32	3
Nornicotine	747	122	µg/g	32	3
Anabasine	120	52	µg/g	32	3
Anatabine	609	191	µg/g	32	3
NNN	6.80	0.95	µg/g	32	3
NAT	4.10	0.56	µg/g	32	3
NAB	0.41	0.08	µg/g	32	3
NNK	0.94	0.19	µg/g	32	3
Moisture	12.5	0.3	%	29	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 McNeese** and **Ling Yuan** on behalf of CTRP.