

RTI INTERNATIONAL*
DATA SHEET
Nicotine Research Cigarettes
NRC200, Spectrum Batch 07B2, RN

RTI Log Number: 42511499170114

	Active Ingredients in Tobacco Cigarettes
Chemical Abstracts Name	3-[(2S)-1-methyl-2-pyrrolidinyl]pyridine
INN Name	nicotine
Common Name	S-(-)-nicotine
CAS Number	54-11-5
Molecular Weight	162.23
Formula	C ₁₀ H ₁₄ N ₂

TPMF Code: NRC200.

Batch: 07B2.

Tobacco Blend:

Tobacco Type	Composition (%)
VLN	97
HN	3

Cigarette Paper: 10-986EE (Schweitzer-Mauduit International, Inc.), flax, target porosity 80CU, LIP, alginate print band.

Tipping Paper: 400SPEC, 60MM Spectrum LP100, porosity 100CU, 30 mm length, white.
(Shamrock Ref. No.: TSC-040R-60-00)

Filter: FIL-021 (Essentra Filter Products), dual filter plug of 10 mm paper and 15 mm cellulose acetate; target pressure drop 81 mm.

Packaging: Spectrum cigarettes are packaged in standard cigarette packs containing 20 cigarettes each and wrapped with cellophane; Spectrum packs are then overpacked in standard cigarette cartons of 10 packs each and wrapped with heat-sealable polypropylene film.

Manufacturer: Smokin Joes (Lewiston, NY) for 22nd Century Ltd. Made for the National Institute on Drug Abuse under contract with RTI International (Contract HHSN271201000003C).

Manufactured: January 2014.

Storage: Recommended long term storage condition is frozen at -15 to -25 °C.

Caution: These cigarettes were made for the National Institute on Drug Abuse and are intended for research purposes only. They are not to be sold or used for any purpose other than research. These cigarettes are exempt from Federal and North Carolina excise taxes when distributed and used as intended.

Component	Parameter	Result	Analysis Reference	Analysis Date
Cigarettes	Appearance	Tobacco and filter rolled in white paper with a silver band and "SPECTRUM" written on the side	13754-164	04/03/2014
	Average Weight	0.958 g (n = 20)	13754-164	04/03/2014
	Size	83 mm length 25.6 mm circumference	N/A	N/A
Tobacco	Nicotine Content	1.15 ± 0.03 mg/g tobacco (n = 3)	13850-96	04/07/2015
	Menthol Content	ND ± N/A mg/g tobacco (n = 3)	13850-96	04/07/2015
	Moisture Content [Loss on Drying or OV]	11.7 ± 0.0% (n = 3)	13754-141	03/11/2014
	Average Weight	0.659 g (n = 3)	13754-200	04/30/2014
Mainstream Smoke	Nicotine	0.062 ± 0.002 mg/cigarette (n = 2)	13850-133	04/16/2015
	Menthol	<LOQ ± <LOQ mg/cigarette (n = 2)	13850-133	04/16/2015
	Total Particulate Matter	8.8 ± 0.6 mg/cigarette (n = 8)	Arista Report #14008	03/06/2014
	Tar	8.3 ± 0.6 mg/cigarette (n = 8)	Arista Report #14008	03/06/2014
	Carbon Monoxide	14.3 ± 0.6 mg/cigarette (n = 8)	Arista Report #14008	03/06/2014

For Information Only

Component	Parameter	Result	Analysis Reference	Analysis Date
Tobacco	Nornicotine Content	0.63 ± 0.15 mg/g tobacco (n = 3)	13850-96	04/07/2015
	Anabasine Content	ND ± N/A mg/g tobacco (n = 3)	13850-96	04/07/2015
	Myosmine Content	ND ± N/A mg/g tobacco (n = 3)	13850-96	04/07/2015
Mainstream Smoke	Nornicotine	ND ± N/A mg/cigarette (n = 2)	13850-133	04/16/2015
	Anabasine	ND ± N/A mg/cigarette (n = 2)	13850-133	04/16/2015
	Myosmine	0.010 ± 0.000 mg/cigarette (n = 2)	13850-133	04/16/2015

ND = Not Detected
 OV = Oven Volatiles
 <LOQ = Less than the limit of quantitation

Approved by:



Date:

6/2/2015

SHIPMENT REFERENCE ONLY

Quantity:

Reference:
