
APPENDIX SR1_Q12-A3

**COMPARISON OF THE CHARACTERISTICS FOR THE MENTHOL 2 TOBACCO
STICK USED IN THE STUDIES LISTED**

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Table 1: CHARACTERISTICS OF THE MENTHOL 2 TOBACCO STICK

Category	Ingredient Name	CONS.00863.RD [mg/Unit]	CONS.01785.RD [mg/Unit]	M RTP Code CONS.02806.RD [mg/Unit]	Ingredient Function	Registration Number [CAS#]
Tobacco Ingredient	Tobacco	209.6	209.6	201.5	Tobacco	-
Tobacco Ingredient	Glycerol	54.4	54.4	52.3	Humectant	56-81-5
Tobacco Ingredient	Water	37.5	37.5	36.1	Processing Aid	7732-18-5
Tobacco Ingredient	Guar Gum	8.17	8.17	7.85	Binder	9000-30-0
Tobacco Ingredient	Cellulose	5.44	5.44	5.23	Fiber	9004-34-6
Tobacco Ingredient	Menthol	3.90	3.90	3.90	Flavor	2216-51-5
Tobacco Ingredient	Propylene Glycol	2.13	2.13	2.04	Humectant in Flavor	57-55-6

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Tobacco Ingredient	Peppermint Oil	1.30	1.30	1.25	Flavor	8006-90-4
Tobacco Ingredient	Natural & Artificial Flavorings	0.253	0.253	0.243	Flavor	Various
Tobacco Ingredient	Ethanol	0.00	0.00	0.00	Processing Aid in Flavor	64-17-5
Tobacco Plug Wrap Paper	Cellulose	6.17	6.17	6.17	Fiber	65996-61-4
Tobacco Plug Wrap Paper	Calcium Carbonate	1.10	1.10	1.10	Filler	471-34-1
Tobacco Plug Wrap Paper	Carboxymethylcellulose and its Sodium Salt	0.0735	0.0735	0.0735	Binder	9004-32-4
Tobacco Plug Adhesive	Ethylene-Vinyl Acetate Copolymer	0.319	0.638	0.319	Adhesive	24937-78-8

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Tobacco Plug Adhesive	Starch and/or Modified Starches	0.00	0.00	0.0576	Adhesive	9005-25-8
Tobacco Plug Adhesive	Propylene Glycol	0.00	0.00	0.0108	Adhesive	57-55-6
Outer Paper	Cellulose	27.3	27.3	23.0	Fiber	65996-61-4
Outer Paper	Calcium Carbonate	22.8	22.8	19.2	Filler	471-34-1
Outer Paper	Epichlorhydrin Resin	0.00	0.00	0.00	Anti-Wetting Agent	25212-19-5
Outer Paper	Carboxymethylcellulose	0.00	0.00	0.256	Binder	9004-32-4
Outer Paper	Guar Gum	0.00	0.00	0.00	Binder	9000-30-0

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Outer Paper Adhesive	Ethylene-Vinyl Acetate Copolymer	3.53	3.53	2.98	Adhesive	24937-78-8
Hollow Acetate Tube	Cellulose Acetate	54.6	54.6	56.0	Filtration Material	9004-35-7
Hollow Acetate Tube	Triacetin	10.7	10.7	10.7	Plasticizer	102-76-1
Hollow Acetate Tube	Titanium Dioxide	0.290	0.290	0.229	Color	13463-67-7
Hollow Acetate Tube - Plugwrap Paper	Cellulose	4.52	4.52	4.48	Fiber	65996-61-4
Hollow Acetate Tube - Plugwrap Paper	Calcium Carbonate	0.684	0.684	0.741	Filler	471-34-1

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Hollow Acetate Tube - Plugwrap Paper	Carboxymethylcellulose and its Sodium Salt	0.00	0.00	0.0529	Binder	9004-32-4
Hollow Acetate Tube - Adhesive	ethylene-vinyl acetate copolymer	0.453	0.453	0.00	Adhesive	24937-78-8
Hollow Acetate Tube - Adhesive	Polyvinyl Acetate	0.00	0.00	0.553	Adhesive	9003-20-7
Hollow Acetate Tube - Adhesive	Hydroxyethylene - Vinyl Acetate Copolymer	0.0307	0.0307	0.0165	Adhesive	25213-24-5
Polylactic Acid Filter	Poly Lactic Resin	217.3	217.3	214.8	Filtration Material	9051-89-2
Polylactic Acid Filter	Cellulose Acetate	19.9	19.9	20.9	Filtration Material	9004-35-7

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Polylactic Acid Filter	Menthol	6.98	6.98	9.33	Flavor	2216-51-5
Polylactic Acid Filter	Calcium Carbonate	0.491	0.491	2.46	Filler	1317-65-3
Polylactic Acid Filter	pigment indigo carmine	0.893	0.893	0.00	Color	860-22-0
Polylactic Acid Filter	Poly lactic acid	12.8	12.8	0.00	Filtration Material	26100-51-6
Polylactic Acid Filter	Titanium Dioxide	0.067	0.067	0.00	Color	13463-67-7
Polylactic Acid Filter - Plug Wrap Paper	Cellulose	44.7	44.7	44.7	Fiber	9004-34-6

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Polylactic Acid Filter - Plug Wrap Paper	Kaolin	0.980	0.980	0.980	Filler	1332-58-7
Polylactic Acid Filter - Plug Wrap Paper	Rosin	0.113	0.113	0.127	Sizing Agent	65997-04-8
Polylactic Acid Filter - Plug Wrap Paper	Optical Brightener	0.0039	0.0039	0.0074	Color	-
Polylactic Acid Filter - Adhesive	Polyvinyl Acetate	1.23	1.23	0.934	Adhesive	9003-20-7
Polylactic Acid Filter - Adhesive	Ethylene-Vinyl Acetate Copolymer	0.00	0.00	0.320	Adhesive	24937-78-8

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Polylactic Acid Filter - Adhesive	Hydrocarbon Resin	0.00	0.00	0.234	Adhesive	68132-00-3
Polylactic Acid Filter - Adhesive	Paraffin	0.00	0.00	0.230	Adhesive	8002-74-2 64742-60-5
Polylactic Acid Filter - Adhesive	Hydroxyethylene - Vinyl Acetate Copolymer	0.0365	0.0365	0.0278	Adhesive	25213-24-5
Polylactic Acid Filter - Adhesive	Polyisobutylene	0.00	0.00	0.0243	Adhesive	9003-29-6
Mouth Piece Filter	Cellulose Acetate	27.9	27.6	27.0	Filtration Material	9004-35-7
Mouth Piece Filter	Triacetin	1.93	1.93	2.22	Plasticizer	102-76-1
Mouth Piece Filter	Titanium Dioxide	0.181	0.177	0.173	Color	13463-67-7

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Mouth Piece Filter - Plug Wrap Paper	Cellulose	17.6	17.6	17.9	Fiber	9004-34-6
Mouth Piece Filter - Plug Wrap Paper	Rosin	0.0443	0.0443	0.0511	Sizing Agent	65997-04-8
Mouth Piece Filter - Plug Wrap Paper	Optical Brightener	0.0015	0.0015	0.0029	Color	-
Mouth Piece Filter - Plug Wrap Paper	Kaolin	0.385	0.385	0.393	Filler	1332-58-7
Mouth Piece Filter - Adhesive	Polyvinyl Acetate	0.502	0.502	0.510	Adhesive	9003-20-7
Mouth Piece Filter - Adhesive	Ethylene-Vinyl Acetate Copolymer	0.388	0.387	0.387	Adhesive	24937-78-8

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Mouth Piece Filter - Adhesive	Hydrocarbon Resin	0.279	0.283	0.283	Adhesive	68132-00-3
Mouth Piece Filter - Adhesive	Paraffin	0.280	0.279	0.279	Other	64742-60-5 8002-74-2
Mouth Piece Filter - Adhesive	Polyisobutylene	0.0304	0.0294	0.0294	Adhesive	9003-29-6
Mouth Piece Filter - Adhesive	Hydroxyethylene - Vinyl Acetate Copolymer	0.0150	0.0150	0.0150	Adhesive	25213-24-5
Tipping Paper	Acetyl Tributyl Citrate	0.351	0.175	0.00	Plasticizer	77-90-7
Tipping Paper	Cellulose	10.8	12.4	12.2	Fiber	65996-61-4
Tipping Paper	Calcium Carbonate	4.48	2.32	2.33	Filler	471-34-1

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Tipping Paper	Kaolin	0.721	0.00	3.00	Filler	92704-41-1 1332-58-7
Tipping Paper	Titanium Dioxide	0.721	0.175	1.34	Color	13463-67-7
Tipping Paper	Starch and/or Modified Starches	0.00	0.262	0.503	Binder	65996-62-5
Tipping Paper	Alkylketene Dimer	0.0370	0.0349	0.0419	Sizing Agent	84989-41-3 98246-87-8
Tipping Paper	Epichlorhydrin Resin	0.0185	0.00	0.0210	Processing Aid	25212-19-5
Tipping Paper	Collodion	0.925	0.436	0.00	Plasticizer	9004-70-7
Tipping Paper	Sodium Phosphate Dibasic	0.00	0.506	0.00	Other	10028-24-7

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Tipping Paper	Pigments	<1	<1	<1	Color	-
Tipping Paper - Adhesive	Ethylene-Vinyl Acetate Copolymer	7.26	7.26	7.26	Adhesive	24937-78-8
Tipping Paper - Adhesive	Hydroxyethylene - Vinyl Acetate Copolymer	0.147	0.147	0.147	Adhesive	25213-24-5

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