

**Full list of ingredients in non-tobacco components used in Philip Morris International cigarettes
manufactured for sale in Europe**

Cigarette Papers

CAS ¹	Ingredient ²	MUL ³
-	tobacco	10.6
65996-61-4	cellulose	6.2
471-34-1	calcium carbonate	3.2
various	starch and/or modified starches	0.4
9000-01-5	acacia gum	0.2
6100-05-6	potassium citrate	0.2
9000-30-0	guar gum	0.1
9004-32-4	carboxymethylcellulose and its sodium salt	0.05
6132-04-3	sodium citrate	0.05

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Side Seam Adhesives

CAS ¹	Ingredient ²	MUL ³
24937-78-8	ethylene-vinyl acetate copolymer	0.5
9003-20-7	polyvinyl acetate	0.1
9004-32-4	carboxymethylcellulose and its sodium salt	0.005
25213-24-5	polyvinol	0.005
-	processing aids (Water)	

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Monogram Inks

CAS ¹	Ingredient ²	MUL ³
63148-69-6	alkyd resin	0.005
15790-07-5	pigment sunset yellow FCF	0.005
8042-47-5	mineral oil	0.001
68583-95-9	pigment allura red AC	0.001
68921-42-6	pigment brilliant blue FCF	0.001
5281-04-9	pigment red lithol BK	0.001
12225-21-7	pigment tartrazine	0.001
471-34-1	calcium carbonate	0.0005
112945-52-5	silica	0.0005

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Tipping Papers and Tipping paper Inks

CAS ¹	Ingredient ²	MUL ³
various	cellulose	4.4
471-34-1	calcium carbonate	1.5
various	kaolin	0.9
12040-43-6	aluminium silicate, magnesium sodium salt	0.8
various	pigment iron oxide yellow	0.3
9004-70-0	collodion	0.2
various	starch and/or modified starches	0.2
77-90-7	acetyl tributyl citrate	0.1
21645-51-2	aluminium hydroxide	0.1
7440-44-0	activated charcoal	0.05
various	alkylketene dimer	0.05
7787-59-9	bismuth oxychloride	0.05
9004-57-3	ethyl cellulose	0.05
various	pigment brilliant blue FCF	0.05
12227-78-0	pigment erythrosin	0.05
various	pigment silver and/or gold	0.05
16521-38-3	pigment indigotine	0.05
various	pigment iron oxide black	0.05
1309-37-1	pigment iron oxide red	0.05
12001-26-2	pigment mica	0.05

100208-62-6	pigment quinoline yellow	0.05
5281-04-9	pigment red lithol BK	0.05
15790-07-5	pigment sunset yellow FCF	0.05
various	rosin	0.05
9005-38-3	sodium alginate	0.05
29497-08-3	styrene - acrylate polymers	0.05
14807-96-6	talc	0.05
102-76-1	triacetin	0.05
1318-59-8	chlorite	0.01
25212-19-5	epichlorhydrin resin	0.01
various	pigment tartrazine	0.01
25038-59-9	poly(ethylene terephthalate)	0.01
various	silica	0.01
various	paraffin	0.005
68583-95-9	pigment allura red AC	0.005
3567-69-9	pigment azorubine	0.005
2519-30-4	pigment brilliant black BN	0.005
94581-16-5	resin acids and rosin acids, maleated, esters with glycerol	0.005
9004-62-0	hydroxyethylcellulose	0.0005
25895-47-0	polypropylene butylene ethylene terpolymer	0.0005
8061-51-6	sodium ligninsulfonate	0.0005

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Filtration Material

CAS ¹	Ingredient ²	MUL ³	
9004-35-7	cellulose acetate	21	
7440-44-0	activated charcoal	6.7	
102-76-1	triacetin	2	
various	triglyceride oils	1.4	*
2216-51-5	menthol	0.5	*
various	modified starches and polysaccharides	0.3	*
-	natural and/or artificial flavourings	0.2	*
9000-70-8	gelatin	0.1	*
56-81-5	glycerol	0.05	*
50-70-4	sorbitol	0.05	*
various	pigments	0.005	*
68-04-2	sodium citrate	0.005	*
-	processing aids (Water, Finishing oil)		

*** only present in cigarillos**

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Filter Adhesives

CAS ¹	Ingredient ²	MUL ³
24937-78-8	ethylene-vinyl acetate copolymer	2.9
9003-20-7	polyvinyl acetate	2.9
102-76-1	triacetin	0.3
68132-00-3	hydrocarbon resin	0.2
8002-74-2	paraffin	0.2
25213-24-5	polyvinol	0.2
9011-11-4	styrene-alpha-methylstyrene resin	0.2
-	processing aids (Antioxidant,Defoamer,Water,Preservative)	

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Filter Wraps

CAS ¹	Ingredient ²	MUL ³
various	cellulose	11.1
471-34-1	calcium carbonate	1.1
68442-85-3	viscose	0.5
1332-58-7	kaolin	0.4
9002-89-5	polyvinol	0.3
65996-62-5	starch and/or modified starches	0.3
25212-19-5	epichlorhydrin resin	0.1
65997-04-8	rosin	0.1
various	alkylketene dimer	0.05
9004-32-4	carboxymethylcellulose and its sodium salt	0.05
9000-30-0	guar gum	0.05
863408-20-2	fluoropolymer acetate salt	0.01
-	optical brightener	0.005

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Footnotes

- 1 CAS Chemical Abstract Service Registry Number. This number is provided where available to identify the ingredient.
- 2 Ingredient International Union for Pure and Applied Chemistry (IUPAC) name or common chemical name of the ingredient, listed in decreasing order of MUL.
- 3 MUL Maximum Use Level. The maximum quantity at which the ingredient is used in any Philip Morris International brand in this country, expressed as a percentage of the product weight.
- Processing Aid Facilitates the manufacturing of the tobacco product or its components and are either not present or occur in residual amount and have no function in the final product.