

MICA POWDER

Y-1800

FOR COSMETICS

Product Information	INCI Name : MICA(CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration : Exempted ANNEX V		
Feature	◇ Matte finishing properties. ◇ Soft and smooth feel obtained by our special wet grinding method. ◇ Finest particle product in Y-series. (Average : 10 microns)	Application	◇ Foundation ◇ Eye shadow ◇ Eye brow etc.

CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	10	—	μm	Laser diffraction
325 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	65	—	—	SEM image
pH	7	8	10	—	pH meter
Whiteness	—	85	—	—	Colorimeter
Glossiness	—	10	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition (500 °C)	—	0.2	2	%	JSQI 2021
Bulk density	—	0.15	—	g/ml	JIS K 5101
Oil absorption	—	50	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.5	2	%	JSQI 2021
Arsenic	—	< 0.5	3	ppm	ICP-MS
Lead	—	< 1.0	10	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Antimony	—	< 0.5	10	ppm	ICP-MS
Cadmium	—	< 0.5	5	ppm	ICP-MS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Off White fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

Y-2300X

FOR COSMETICS

Product Information	INCI Name : MICA(CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration : Exempted ANNEX V		
Feature	◇ Y-2300X is our standard product in Y-series. ◇ Natural sheen and luster. ◇ Soft and smooth feel obtained by our special wet grinding method.	Application	◇ Foundation ◇ Eye shadow ◇ Rouge etc.

CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	19	—	μm	Laser diffraction
325 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	70	—	—	SEM image
pH	7	8.5	10	—	pH meter
Whiteness	—	83	—	—	Colorimeter
Glossiness	—	11	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition	—	0.3	2	%	JSQI 2021
Bulk density	—	0.17	—	g/ml	JIS K 5101
Oil absorption	—	48	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.7	2	%	JSQI 2021
Arsenic	—	< 0.5	2	ppm	ICP-MS
Lead	—	6.5	10	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Antimony	—	< 0.5	10	ppm	ICP-MS
Cadmium	—	< 0.5	5	ppm	ICP-MS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Off White fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

Y-3000

FOR COSMETICS

Product Information	INCI Name : MICA(CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration : Exempted ANNEX V		
Feature	◇ Moderate sheen and luster. ◇ Soft and smooth feel obtained by our special wet grinding method. ◇ Y-3000 offers superior performance and has an average particle size of 23 microns.	Application	◇ Foundation ◇ Eye shadow ◇ Rouge etc.

CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	23	—	μm	Laser diffraction
325 mesh on (wet)	—	0.1	—	%	JIS K 5101
Average aspect ratio	—	80	—	—	SEM image
pH	7	8.9	10	—	pH meter
Whiteness	—	82	—	—	Colorimeter
Glossiness	—	12	—	GU	Glossmeter
Loss on drying	—	0.1	1	%	Infrared moisture meter
Loss on ignition	—	0.3	2	%	JSQI 2021
Bulk density	—	0.24	—	g/ml	JIS K 5101
Oil absorption	—	44	—	ml/100g	JIS K 5101
Acid soluble Substances	—	0.7	2	%	JSQI 2021
Arsenic	—	< 0.5	2	ppm	ICP-MS
Lead	—	6.5	10	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Antimony	—	< 0.5	10	ppm	ICP-MS
Cadmium	—	< 0.5	5	ppm	ICP-MS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Off White fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALLIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

SA-310

FOR COSMETICS

Product Information	INCI Name : MICA(CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration : Exempted ANNEX V		
Feature	◇ SA-series is produced by the means of low stress grinding to obtain excellent smooth particles. ◇ High spread and smooth feel, luster finish in appearance.	Application	◇ Foundation ◇ Eye shadow ◇ Rouge etc.

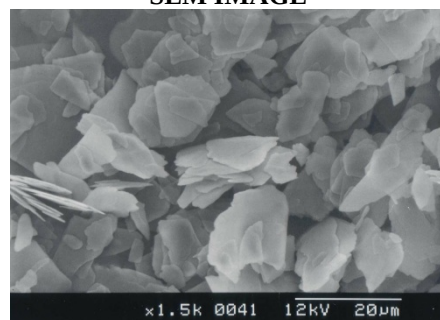
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	26	—	μ m	Laser diffraction
325 mesh on (wet)	—	0.1	—	%	JIS K 5101
Average aspect ratio	—	80	—	—	SEM image
pH	7	8.5	10	—	pH meter
Whiteness	—	82	—	—	Colorimeter
Glossiness	—	14	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition (500 °C)	—	0.3	2	%	JSQI 2021
Bulk density	—	0.20	—	g/ml	JIS K 5101
Oil absorption	—	40	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.7	2	%	JSQI 2021
Arsenic	—	< 0.5	3	ppm	ICP-MS
Lead	—	< 1.0	10	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Antimony	—	< 0.5	10	ppm	ICP-MS
Cadmium	—	< 0.5	5	ppm	ICP-MS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typicale value	
Appearance	Off White fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

SA-350

FOR COSMETICS

Product Information	INCI Name : MICA(CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration : Exempted ANNEX V		
Feature	◇ Lustrous finishing properties. ◇ Excellent spread and smooth feel. ◇ Coarse particles in SA-series	Application	◇ Foundation ◇ Eye shadow ◇ Rouge etc.

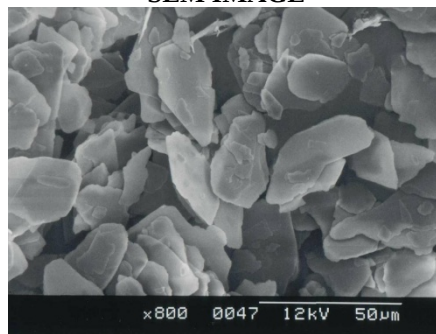
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	40	—	μm	Laser diffraction
120 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	80	—	—	SEM image
pH	7	8.5	10	—	pH meter
Whiteness	78	80	—	—	Colorimeter
Glossiness	—	19	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition	—	0.3	2	%	JSQI 2021
Bulk density	—	0.22	—	g/ml	JIS K 5101
Oil absorption	—	40	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.4	2	%	JSQI 2021
Arsenic	—	< 0.5	2	ppm	ICP-MS
Lead	—	6.5	10	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Antimony	—	< 0.5	10	ppm	ICP-MS
Cadmium	—	< 0.5	5	ppm	ICP-MS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Off White fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

FA-450

FOR COSMETICS

Product Information	INCI Name : MICA(CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration : Exempted ANNEX V		
Feature	◇ Highest luster appearance in our product range. ◇ Excellent spread and smooth feel.	Application	◇ Foundation ◇ Eye shadow ◇ Rouge etc.

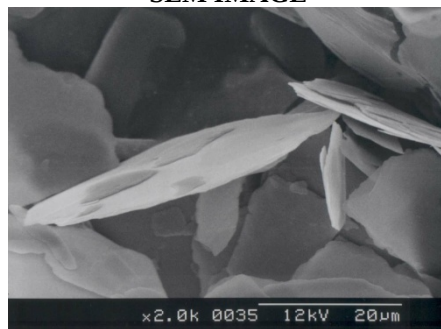
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	28	—	μ m	Value “MV” by laser diffraction
350 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	80	—	—	SEM image
pH	7	7.5	10	—	pH meter
Whiteness	—	80	—	—	Colorimeter
Glossiness	—	20	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition	—	0.3	2	%	JSQI 2021
Bulk density	—	0.23	—	g/ml	JIS K 5101
Oil absorption	—	43	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.4	2	%	JSQI 2021
Arsenic	—	< 0.5	3	ppm	ICP-MS
Lead	—	< 1.0	10	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Antimony	—	< 0.5	10	ppm	ICP-MS
Cadmium	—	< 0.5	5	ppm	ICP-MS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Off White fine powder	
Composition	SiO ₂	48 %
	Al ₂ O ₃	36 %
	K ₂ O	8 %
	Fe ₂ O ₃	2 %
	SO ₃	1 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

GFA-50

FOR COSMETICS

Product Information	INCI Name : MICA(CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration : Exempted ANNEX V			 COSMOS APPROVED
Feature	◇ Natural pearly mica . ◇ Provides gorgeous luster, shimmer and shine. ◇ Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard.		Application	◇ Foundation ◇ Eye shadow ◇ Cheek ◇ Rouge etc.

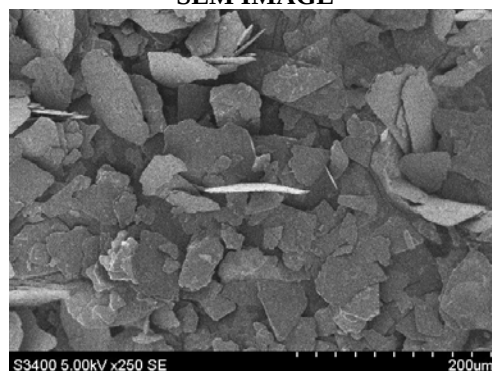
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	50	—	μm	Laser diffraction
100 mesh on (wet)	—	0	—	%	JIS K 5101
Average aspect ratio	—	60	—	—	SEM image
pH	7	—	10	—	pH meter
Whiteness	—	76	—	—	Colorimeter
Glossiness	—	23	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition (500 °C)	—	0.3	2	%	JSQI 2021
Bulk density	—	0.34	—	g/ml	JIS K 5101
Oil absorption	—	44	—	ml/100g	JIS K 5101
Acid soluble matter	—	—	2	%	JSQI 2021
Arsenic	—	—	3	ppm	ICP-MS
Lead	—	—	10	ppm	ICP-MS
Mercury	—	—	1	ppm	AAS
Antimony	—	—	10	ppm	ICP-MS
Cadmium	—	—	5	ppm	ICP-MS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Off White powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

NCF-322

FOR COSMETICS

Product Information	INCI Name : MICA (CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration Exempted ANNEX V		
Feature	◇ Calcined Mica ◇ High aspect ratio and oil absorption. ◇ Soft feel and high adhesion are obtained by calcinations and wet grinding method.	Application	◇ Foundation ◇ Eye shadow ◇ Rouge etc.

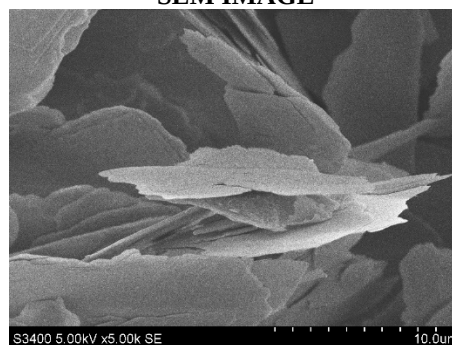
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	24	—	μm	Laser diffraction
325 mesh on (wet)	—	0.1	3	%	JIS K 5101
Average aspect ratio	—	100	—	—	SEM image
pH	7	8.5	10	—	pH meter
Whiteness	—	70	—	—	Colorimeter
Glossiness	—	13	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition	—	0.2	2	%	JSQI 2021
Bulk density	—	0.15	—	g/ml	JIS K 5101
Oil absorption	—	55	—	ml/100g	JIS K 5101
Acid soluble matter	—	1	2	%	JSQI 2021
Arsenic	—	1	5	ppm	ICP-MS
Lead	—	3	20	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Pale gray fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALLIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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* This information may change without prior notice.

* Specification of this product is to be determined with customers.

MAY 12, 2025
 EC-NCF-322-MP11

MICA POWDER

TM-10

FOR COSMETICS

Product Information	INCI Name : MICA (CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration Exempted ANNEX V		
Feature	◇ Extremely thin particle and high aspect ratio are obtained by new methods of chemical and physical treatments. ◇ Excellent adhesion, transparency and softness.	Application	◇ Foundation ◇ Eye shadow ◇ Eye brow etc.

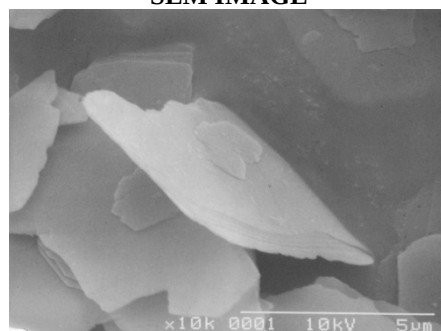
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	10	—	μm	Laser diffraction
325 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	100	—	—	SEM image
pH	7	8.5	10	—	pH meter
Whiteness	—	77	—	—	Colorimeter
Glossiness	—	17	—	—	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition(500 °C)	—	0.2	2	%	JSQI 2021
Bulk density	—	0.12	—	g/ml	JIS K 5101
Oil absorption	—	60	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.8	—	%	JSQI 2021
Arsenic	—	< 0.5	3	ppm	ICP-MS
Lead	—	3.5	10	ppm	ICP-MS
Mercury	—	< 0.01	1	ppm	AAS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Light gray fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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MICA POWDER

TM-20

FOR COSMETICS

Product Information	INCI Name : MICA (CI 77019) 中文名称: 云母 CAS No. 12001-26-2 EC No. 601-648-2 By Weight 100% REACH registration Exempted ANNEX V		
Feature	◇ Extremely thin particle and high aspect ratio are obtained by new methods of chemical and physical treatments. ◇ Innovative high adhesion and softness to the skin, and excellent transparency.	Application	◇ Foundation ◇ Eye shadow ◇ Eye brow etc.

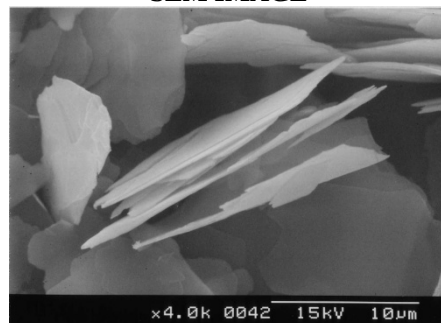
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	18	—	μm	Value “MV” by laser diffraction
325 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	120	—	—	SEM image
pH	7	8.5	10	—	PH meter
Whiteness	—	76	—	—	Colorimeter
Glossiness	—	18	—	—	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition(500 °C)	—	0.2	2	%	JSQI 2021
Bulk density	—	0.14	0.17	g/ml	JIS K 5101
Oil absorption	—	62	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.5	—	%	JSQI 2021
Arsenic	—	< 0.5	3	ppm	ICP
Lead	—	2.2	10	ppm	ICP
Mercury	—	< 0.01	1	ppm	AAS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	Light gray fine powder	
Composition	SiO ₂	40 %
	Al ₂ O ₃	40 %
	K ₂ O	13 %
	Fe ₂ O ₃	2 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.6-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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TALC POWDER

CT-30

FOR COSMETICS

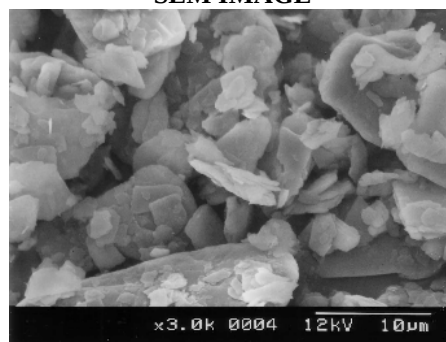
Product Information	INCI Name : TALC (CI 77718) 中文名称: 滑石粉 CAS No. 14807-96-6 EC No. 238-877-9 By Weight 100% REACH registration No. Exempted ANNEX V		
Feature	◇ Dry and smooth feel are obtained by our special wet grinding method. ◇ The average particle size of 10 micron is finest size in CT-series. ◇ High hydrophilic affinity applies liquid foundation.	Application	◇ Foundation ◇ Eye shadow etc.

CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	10	—	μm	Value “MV” by laser diffraction
325 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	20	—	—	SEM image
pH	6	7.5	10	—	pH meter
Whiteness	—	92	—	—	Colorimeter
Glossiness	—	4	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition	—	0.3	2	%	JSQI 2021
Bulk density	—	0.27	—	g/ml	JIS K 5101
Oil absorption	—	30	—	ml/100g	JIS K 5101
Acid soluble matter	—	1.0	2	%	JSQI 2021
Water soluble matter	—	0.2	0.4	%	JSQI 2021
Iron	—	0.1	0.7	%	ICP
Arsenic	—	< 0.5	3	ppm	ICP
Lead	—	1.1	10	ppm	AAS
Mercury	—	< 0.01	1	ppm	AAS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	White fine powder	
Composition	SiO ₂ 68 % MgO 27 % H ₂ O (as CRYSTALIZATION) 5 %	
Mohs' hardness	1	
Specific gravity	2.6-3.1	
Dehydrate temperature	450°C	
Melting point	900°C	

SEM IMAGE


(Contact) YAMAGUCHI MICA CO., LTD. SALES Group
 TEL : +81-533-72-2188 / E-MAIL : sales@ymsc.co.jp

TALC POWDER

CT-35

FOR COSMETICS

Product Information	INCI Name : TALC (CI 77718) 中文名称: 滑石粉 CAS No. 14807-96-6 EC No. 238-877-9 By Weight 100% REACH registration No. Exempted ANNEX V		
Feature	◇ Dry and smooth feel , Good skin adhesion, High whiteness. ◇ High hydrophilic affinity applies liquid foundation. ◇ The average particle size of 17 micron can be applied to a wide usage.	Application	◇ Foundation ◇ Eye shadow ◇ Antiperspirant etc.

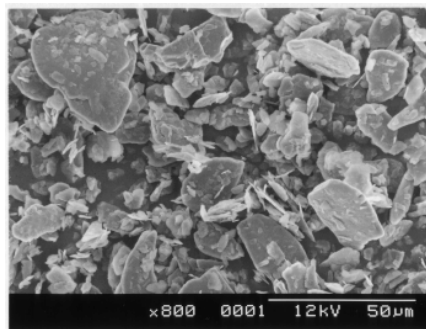
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	17	—	μm	Laser diffraction
325 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	20	—	—	SEM image
pH	6	7.5	10	—	pH meter
Whiteness	80	91	—	—	Colorimeter
Glossiness	—	5	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition (500 °C)	—	0.3	2	%	JSQI 2021
Bulk density	—	0.44	—	g/ml	JIS K 5101
Oil absorption	—	25	—	ml/100g	JIS K 5101
Acid soluble matter	—	1.0	2	%	JSQI 2021
Water soluble matter	—	0.2	0.4	%	JSQI 2021
Iron	—	0.1	0.7	%	ICP
Arsenic	—	< 0.5	3	ppm	ICP
Lead	—	2.2	10	ppm	ICP
Mercury	—	< 0.01	1	ppm	AAS
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	White fine powder	
Composition	SiO ₂	68 %
	MgO	27 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	1	
Specific gravity	2.6-3.1	
Dehydrate temperature	450°C	
Melting point	900°C	

SEM IMAGE



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MAY 12, 2025

EC-CT-35-MP09

TALC POWDER
FOR COSMETICS(Trade Name) **CT-250**

Product Information	INCI Name : TALC 中文名称: 滑石粉 CAS No. 14807-96-6 EC No. 238-877-9 CI No. 77718 By Weight 100% REACH registration No. Exempted ANNEX V		
Feature	◇ Dry and smooth feel are obtained by our wet grinding method. ◇ Feels like PMMA by the average particle size of 30 micron. ◇ High hydrophilic affinity.	Application	◇ Foundation ◇ Face powder ◇ Eye shadow ◇ Antiperspirant etc.

CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	30	—	μm	laser diffraction
250 mesh on (wet)	—	0.1	0.5	%	JIS K 5101
Average aspect ratio	—	16	—	—	SEM image
pH	6	7.5	10	—	pH meter
Whiteness	—	91	—	—	Colorimeter
Glossiness	—	8.2	—	GU	Glossmeter
Loss on drying	—	0.2	1	%	Infrared moisture meter
Loss on ignition (500 °C)	—	0.3	2	%	JSQI2006
Bulk density	—	0.71	—	g/ml	JIS K 5101
Oil absorption	—	25	—	ml/100g	JIS K 5101
Acid soluble matter	—	1.0	2.0	%	JSQI2006
Water soluble matter	—	0.2	0.4	%	JSQI2006
Iron	—	<0.1	0.7	%	ICP
Arsenic	—	< 0.5	3	ppm	ICP
Lead	—	2.2	10	ppm	ICP
Mercury	—	< 0.01	1	ppm	AAS
Carbonate	no foam			—	Sulfuric acid

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	White fine powder	
Composition	SiO ₂ 68 % MgO 27 % H ₂ O (as CRYSTALLIZATION) 5 %	
Mohs' hardness	1	
Specific gravity	2.6-3.1	
Dehydrate temperature	450°C	
Melting point	900°C	

SEM IMAGE



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MAY 26, 2021
 EC-CT-250-MP11

TALC POWDER

EX-15

FOR COSMETICS

Product Information	INCI Name : TALC (CI 77718) 中文名称: 滑石粉 CAS No. 14807-96-6 EC No. 238-877-9 By Weight 100% REACH registration No. Exempted ANNEX V			 COSMOS APPROVED
Feature	◇ Ultra refine Talc powder which extremely smooth, creamy feel and high whiteness. ◇ Hydrophilic affinity applies to O/W emulsion type products. ◇ Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard.	Application	◇ Foundation ◇ Face powder ◇ Eye shadow ◇ Antiperspirant etc.	

CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	15	—	μm	Value “MV” by laser diffraction
325 mesh on (wet)	—	0	0.5	%	JIS K 5101
Average aspect ratio	—	20	—	—	SEM image
pH	6	7.4	10	—	pH meter
Whiteness	—	94	—	—	Colorimeter
Glossiness	—	6	—	GU	Glossmeter
Loss on drying	—	0.02	1	%	Infrared moisture meter
Loss on ignition	—	0.1	2	%	JSQI 2021
Bulk density	—	0.51	—	g/ml	JIS K 5101
Oil absorption	—	40	—	ml/100g	JIS K 5101
Acid soluble matter	—	0.9	2	%	JSQI 2021
Water soluble matter	—	0.07	0.4	%	JSQI 2021
Iron	—	0.02	0.7	%	ICP
Arsenic	—	< 0.5	3	ppm	ICP
Lead	—	2.4	10	ppm	ICP
Antimony	—	< 0.5	10	ppm	ICP
Cadmium	—	< 0.5	5	ppm	ICP
Mercury	—	< 0.01	1	ppm	AAS
Asbestos	—	—	0.1	%	XRD
Carbonate	no foam			—	JSQI 2021

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	White fine powder	
Composition	SiO ₂	68 %
	MgO	27 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	1	
Specific gravity	2.6-3.1	
Dehydrate temperature	450°C	
Melting point	900°C	

SEM IMAGE



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MAY 12, 2025

EC-EX-15-MP13