Waylink Life Science Private Limited

Registered Office: Jalan Complex Gate No1 Lane 5 Howrah 711411, West Bengal, India

Certificate of Analysis (COA)

Customer Name:	**Batch No**.: WLSPL – PTP – 22A122025
Product Name: Purified Talcum Powder	**Grade:** IP/ USP/ BP/ EP/ JP - **BPF Grade**
Whiteness: 99% | Black Particle Free | ETO Treated	**Mesh Size:** 800mesh
Date of Mfg.: December 2025	**Date of Expiry:** November 2030 (5 years)

Test Parameter	Specifications	Test Value/ Reference
Description	Powdered, selected, natural, hydrated magnesium silicate. Pure talc has the formula $Mg_3Si_4O_{10}(OH)_2$ (Mr 379.3). It may contain variable amounts of associated minerals among which chlorites (hydrated aluminium and magnesium silicates), magnesite (magnesium carbonate), calcite (calcium carbonate) and dolomite (calcium and magnesium carbonate) are predominant. An almost white powder, free from grittiness, readily adheres to the skin, unctuous on touch.	Complies with USP/ BP/ EP/ JP
Solubility (IP/USP/BP/EP)	Practically insoluble in water, in ethanol (96%) and in dilute solutions of acids and in alkali hydroxides.	Complies with IP/ USP/ BP/ EP
Appearance	Light, homogeneous, white or almost white powder, greasy to the touch (non-abrasive).	Complies with USP/ BP/ EP
Identification Test A (IP/USP)	The IR spectrum of a potassium bromide dispersion of it exhibits maxima at 3677± 2 cm^{-1}, at 1018 ± 2cm^{-1} and at 669 ± 2 cm^{-1}	Complies with IP/ USP
Identification Test A (BP/EP)	Infrared absorption spectrophotometry (2.2.24). In the range 740 cm^{-1} to 760 cm^{-1} using scale expansion, any absorption band at 758 ± 1 cm^{-1} may indicate the presence of tremolite or of chlorite. If the absorption band remains after ignition of the substance to be examined at 850 ± 50°C for at least 30 min, it indicates the presence of the tremolite. In the range 600 cm^{-1} to 650 cm^{-1} using scale expansion, any absorption band or shoulder may indicate the presence of serpentines.	Complies with BP/ EP
Identification Test A (JP)	Determine the infrared absorption spectrum of Talc as directed in the potassium bromide disk method under Infrared Spectrophotometry <2.25>, it exhibits absorption at the wave numbers of about 3680 cm^{-1}, 1018 cm^{-1} and 669 cm^{-1}.	Complies with JP
Identification Test B (IP/USP/BP/EP)	A white, crystalline precipitate of magnesium ammonium phosphate is formed.	Complies with IP/ USP/ BP/ EP
Identification Test C (IP/BP/EP)	The residue obtained in identification test B gives reaction of silicates.	Complies with IP/ BP/ EP
Identification Test C (USP)	In a lead or platinum crucible and using a copper wire, mix about 100 mg of the insoluble residue as obtained in Identification test B with about 10mg of sodium fluoride and a few drops of sulfuric acid to give a thin slurry. Cover the crucible with a thin transparent plate of plastic under which a drop of water is suspended, and warm gently. Within a short time, a white ring is rapidly formed around the drop of water	Complies with USP
Acidity or Alkanity (USP/ JP)	NMT 0.4 mL of 0.01 N hydrochloric acid is required to change the color of the bromothymol blue indicator, and, NMT 0.3 mL of 0.01 N sodium hydroxide is required to change the color of the phenolpthalein indicator to pink.	Complies with USP/ JP

Analyzed by	Checked by	Approved by
70067079 / 23.12.2025 11:15:49	70067079 / 23.12.2025 11:15:49	724633 / 23.12.2025 11:15:50
Mrs. Khushboo Mishra (Chemist)	Mr. Himanshu Kamal (QA)	Mr. Ujjval Tiwari (Lab Head)

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Acidity or Alkanity (BP/EP)	NMT 0.3 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to pink.	Complies with BP/ EP
Acidity or Alkanity (IP)	NMT 0.3 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to make it acidic.	Complies with IP
Acid Soluble Substance (IP)	NMT 2.0%	Complies: 1.12%
Water Soluble Substance (IP)	The weight of the residue does not exceed 10mg (0.2%)	Complies: 3mg
Water Soluble Substances (USP)	The weight of the residue does not exceed 5mg (0.1%)	Complies: 3mg
Water Soluble Substances (BP/EP)	The weight of the residue does not exceed 10mg (0.2%)	Complies: 3mg
Water Soluble Substance (JP)	NMT 4.0 mg residue from 20 mL of filtrate after drying at 105°C for 1 hour.	Complies: 3mg
Aluminium (USP/BP/EP/JP)	Max 2.0%	Complies: 0.39%
Asbestos (USP)	Free from Asbestos	Complies with USP
Calcium (USP/BP/EP/JP)	NMT 0.9%	Complies: 0.42%
Carbonate (IP)	To 1g add 20ml dilute hydrochloric acid	No effervescence is found
Chlorides (IP)	NMT 250ppm	Complies: < 250ppm
Iron (IP)	NMT 10ppm	Complies: <10ppm
Iron (USP/BP/EP/JP)	NMT 0.25%	Complies: < 0.25%
Lead (USP/ BP/EP/JP)	NMT 10.0 ppm	Complies: 3.21ppm
Magnesium (USP/BP/EP)	17.0 – 19.5%	Complies: 18.21%
Organic Compound (IP)	Residue obtained in the test for LOD is not more than slightly yellow or grey	Complies
Loss on ignition @ 1050°C – 1100°C (BP/EP/JP)	NMT 7.0%	Complies: 3.17%
Loss on Ignition @ 1075°C ± 25°C (USP)	NMT 7.0%	Complies: 3.17%
Loss on drying (180°C, 1hr) (IP)	NMT 1.0%	Complies: 0.19%
Microbial Test (IP/BP/EP) For Cutaneous Administration For Oral Administration	TAMC: NMT 10^2 cfu/g TAMC: NMT 10^3 cfu/g & TYMC NMT: 10^2 cfu/gm	TAMC: 70 cfu/g TYMC: < 10 cfu/gm

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Microbial Test (USP) For Tropical Administration For Oral Administration	 TAMC: NMT 100 cfu/gm & TYMC: NMT 50 cfu/gm TAMC: NMT 1000 cfu/gm & TYMC: NMT 100 cfu/gm, Salmonella & Escherichia Coli-Absent	 TAMC: 70 cfu/g TYMC: < 10 cfu/gm
Particle Size (BP/EP)	2.9.31	Complies with BP/EP
Specific Surface Area (BP/EP)	2.0 – 8.0 M^2/gm 2.9.26	Complies: 4.21 M^2/gm Complies with BP/EP
Conclusion	The product complies with **IP 2022/ USP-NF2025/ BP2025/ EP 11.0/ JP 18 Pharmacopeia**	

Storage Conditions: Keep in a well closed container stored. Protect against physical damage. Avoid dust formation and control ignition sources.

Note: If not stored as per recommended storage conditions, it may result in presence of foreign particles and/ or change in other physico-chemical properties

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Certificate of Analysis (COA)

Customer Name: M/s	**Batch No**.: WLSPL – PTP – 22B122025
Product Name: Purified Talcum Powder	**Grade:** IP/ USP/ BP/ EP/ JP - **BPF Grade**
Whiteness: 99% | Black Particle Free | ETO Treated	**Mesh Size:** 800mesh
Date of Mfg.: December 2025	**Date of Expiry:** November 2030 (5 years)

Test Parameter	Specifications	Test Value/ Reference
Description	Powdered, selected, natural, hydrated magnesium silicate. Pure talc has the formula $Mg_3Si_4O_{10}(OH)_2$ (Mr 379.3). It may contain variable amounts of associated minerals among which chlorites (hydrated aluminium and magnesium silicates), magnesite (magnesium carbonate), calcite (calcium carbonate) and dolomite (calcium and magnesium carbonate) are predominant. An almost white powder, free from grittiness, readily adheres to the skin, unctuous on touch.	Complies with USP/ BP/ EP/ JP
Solubility (IP/USP/BP/EP)	Practically insoluble in water, in ethanol (96%) and in dilute solutions of acids and in alkali hydroxides	Complies with IP/ USP/ BP/ EP
Appearance	Light, homogeneous, white or almost white powder, greasy to the touch (non-abrasive).	Complies with USP/ BP/ EP
Identification Test A (IP/USP)	The IR spectrum of a potassium bromide dispersion of it exhibits maxima at 3677± 2 cm^{-1}, at 1018 ± 2cm^{-1} and at 669 ± 2 cm^{-1}	Complies with IP/ USP
Identification Test A (BP/EP)	Infrared absorption spectrophotometry (2.2.24). In the range 740 cm^{-1} to 760 cm^{-1} using scale expansion, any absorption band at 758 ± 1 cm^{-1} may indicate the presence of tremolite or of chlorite. If the absorption band remains after ignition of the substance to be examined at 850 ± 50°C for at least 30 min, it indicates the presence of the tremolite. In the range 600 cm^{-1} to 650 cm^{-1} using scale expansion, any absorption band or shoulder may indicate the presence of serpentines.	Complies with BP/ EP
Identification Test A (JP)	Determine the infrared absorption spectrum of Talc as directed in the potassium bromide disk method under Infrared Spectrophotometry <2.25>, it exhibits absorption at the wave numbers of about 3680 cm^{-1}, 1018 cm^{-1} and 669 cm^{-1}.	Complies with JP
Identification Test B (IP/USP/BP/EP)	A white, crystalline precipitate of magnesium ammonium phosphate is formed.	Complies with IP/ USP/ BP/ EP
Identification Test C (IP/BP/EP)	The residue obtained in identification test B gives reaction of silicates.	Complies with IP/ BP/ EP
Identification Test C (USP)	In a lead or platinum crucible and using a copper wire, mix about 100 mg of the insoluble residue as obtained in Identification test B with about 10mg of sodium fluoride and a few drops of sulfuric acid to give a thin slurry. Cover the crucible with a thin transparent plate of plastic under which a drop of water is suspended, and warm gently. Within a short time, a white ring is rapidly formed around the drop of water	Complies with USP
Acidity or Alkanity (USP/ JP)	NMT 0.4 mL of 0.01 N hydrochloric acid is required to change the color of the bromothymol blue indicator, and, NMT 0.3 mL of 0.01 N sodium hydroxide is required to change the color of the phenolpthalein indicator to pink.	Complies with USP/ JP

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Acidity or Alkanity (BP/EP)	NMT 0.3 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to pink.	0.15 ml of 0.01 M sodium hydroxide is required
Acidity or Alkanity (IP)	NMT 0.3 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to make it acidic.	Complies with IP
Acid Soluble Substance (IP)	NMT 2.0%	Complies: 1.09%
Water Soluble Substance (IP)	The weight of the residue does not exceed 10mg (0.2%)	Complies: 4mg
Water Soluble Substances (USP)	The weight of the residue does not exceed 5mg (0.1%)	Complies: 2mg
Water Soluble Substances (BP/EP)	The weight of the residue does not exceed 10mg (0.2%)	Complies
Water Soluble Substance (JP)	NMT 4.0 mg residue from 20 mL of filtrate after drying at 105°C for 1 hour.	Complies
Aluminium (USP/BP/EP/JP)	Max 2.0%	Complies: 0.34%
Asbestos (USP)	Free from Asbestos	Complies with USP
Calcium (USP/BP/EP/JP)	NMT 0.9%	Complies: 0.38%
Carbonate (IP)	To 1g add 20ml dilute hydrochloric acid	No effervescence is produced
Chlorides (IP)	NMT 250ppm	Complies: < 250ppm
Iron (IP)	NMT 10ppm	Complies: <10ppm
Iron (USP/BP/EP/JP)	NMT 0.25%	Complies: < 0.25%
Lead (USP/ BP/EP/JP)	NMT 10.0 ppm	Complies: 3.27ppm
Magnesium (USP/BP/EP)	17.0 – 19.5%	Complies: 18.24%
Organic Compound (IP)	Residue obtained in the test for LOD is not more than slightly yellow or grey	Complies
Loss on ignition @ 1050°C – 1100°C (BP/EP/JP)	NMT 7.0%	Complies: 3.21%
Loss on Ignition @ 1075°C ± 25°C (USP)	NMT 7.0%	Complies: 3.21%
Loss on drying (180°C, 1hr) (IP)	NMT 1.0%	Complies: 0.21%
Microbial Test (IP/BP/EP) For Cutaneous Administration For Oral Administration	 TAMC: NMT 10^2 cfu/g TAMC: NMT 10^3 cfu/g & TYMC NMT: 10^2 cfu/gm	 TAMC: 80 cfu/g TYMC: < 10 cfu/gm

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Microbial Test (USP) For Tropical Administration For Oral Administration	 TAMC: NMT 100 cfu/gm & TYMC: NMT 50 cfu/gm TAMC: NMT 1000 cfu/gm & TYMC: NMT 100 cfu/gm, Salmonella & Escherichia Coli-Absent	 TAMC: < 80 cfu/g TYMC: < 10 cfu/gm
Particle Size (BP/EP)	2.9.31	Complies with BP/EP
Specific Surface Area (BP/EP)	2.0 – 8.0 M^2/gm 2.9.26	Complies: 4.24 M^2/gm Complies with BP/EP
Conclusion	The product complies with **IP 2022/ USP-NF2025/ BP2025/ EP 11.0/ JP 18 Pharmacopeia**	

Storage Conditions: Keep in a well closed container stored. Protect against physical damage. Avoid dust formation and control ignition sources.

Note: If not stored as per recommended storage conditions, it may result in presence of foreign particles and/ or change in other physico-chemical properties

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Certificate of Analysis (COA)

Customer Name:	**Batch No**.: WLSPL – PTP – 13A012026
Product Name: Purified Talcum Powder	**Grade:** IP/ USP/ BP/ EP/ JP - **BPF Grade**
Whiteness: 99% | Black Particle Free | ETO Treated	**Mesh Size:** 800mesh
Date of Mfg.: January 2026	**Date of Expiry:** December 2031 (5 years)

Test Parameter	Specifications	Test Value/ Reference
Description	Powdered, selected, natural, hydrated magnesium silicate. Pure talc has the formula $Mg_3Si_4O_{10}(OH)_2$ (Mr 379.3). It may contain variable amounts of associated minerals among which chlorites (hydrated aluminium and magnesium silicates), magnesite (magnesium carbonate), calcite (calcium carbonate) and dolomite (calcium and magnesium carbonate) are predominant. An almost white powder, free from grittiness, readily adheres to the skin, unctuous on touch.	Complies with USP/ BP/ EP/ JP
Solubility (IP/USP/BP/EP)	Practically insoluble in water, in ethanol (96%) and in dilute solutions of acids and in alkali hydroxides	Complies with IP/ USP/ BP/ EP
Appearance	Light, homogeneous, white or almost white powder, greasy to the touch (non-abrasive).	Complies with USP/ BP/ EP
Identification Test A (IP/USP)	The IR spectrum of a potassium bromide dispersion of it exhibits maxima at 3677± 2 cm^{-1}, at 1018 ± 2cm^{-1} and at 669 ± 2 cm^{-1}	Complies with IP/ USP
Identification Test A (BP/EP)	Infrared absorption spectrophotometry (2.2.24). In the range 740 cm^{-1} to 760 cm^{-1} using scale expansion, any absorption band at 758 ± 1 cm^{-1} may indicate the presence of tremolite or of chlorite. If the absorption band remains after ignition of the substance to be examined at 850 ± 50°C for at least 30 min, it indicates the presence of the tremolite. In the range 600 cm^{-1} to 650 cm^{-1} using scale expansion, any absorption band or shoulder may indicate the presence of serpentines.	Complies with BP/ EP
Identification Test A (JP)	Determine the infrared absorption spectrum of Talc as directed in the potassium bromide disk method under Infrared Spectrophotometry <2.25>, it exhibits absorption at the wave numbers of about 3680 cm^{-1}, 1018 cm^{-1} and 669 cm^{-1}.	Complies with JP
Identification Test B (IP/USP/BP/EP)	A white, crystalline precipitate of magnesium ammonium phosphate is formed.	Complies with IP/ USP/ BP/ EP
Identification Test C (IP/BP/EP)	The residue obtained in identification test B gives reaction of silicates.	Complies with IP/ BP/ EP
Identification Test C (USP)	In a lead or platinum crucible and using a copper wire, mix about 100 mg of the insoluble residue as obtained in Identification test B with about 10mg of sodium fluoride and a few drops of sulfuric acid to give a thin slurry. Cover the crucible with a thin transparent plate of plastic under which a drop of water is suspended, and warm gently. Within a short time, a white ring is rapidly formed around the drop of water	Complies with USP
Acidity or Alkanity (USP/ JP)	NMT 0.4 mL of 0.01 N hydrochloric acid is required to change the color of the bromothymol blue indicator, and, NMT 0.3 mL of 0.01 N sodium hydroxide is required to change the color of the phenolpthalein indicator to pink.	Complies with USP/ JP

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Acidity or Alkanity (BP/EP)	NMT 0.3 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to pink.	Complies with BP/ EP
Acidity or Alkanity (IP)	NMT 0.3 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to make it acidic.	Complies with IP
Acid Soluble Substance (IP)	NMT 2.0%	Complies: 1.11%
Water Soluble Substance (IP)	The weight of the residue does not exceed 10mg (0.2%)	Complies: 3mg
Water Soluble Substances (USP)	The weight of the residue does not exceed 5mg (0.1%)	Complies: 3mg
Water Soluble Substances (BP/EP)	The weight of the residue does not exceed 10mg (0.2%)	Complies: 0.04%
Water Soluble Substance (JP)	NMT 4.0 mg residue from 20 mL of filtrate after drying at 105°C for 1 hour.	Complies
Aluminium (USP/BP/EP/JP)	Max 2.0%	Complies: 0.31%
Asbestos (USP)	Free from Asbestos	Complies with USP
Calcium (USP/BP/EP/JP)	NMT 0.9%	Complies: 0.35%
Carbonate (IP)	To 1g add 20ml dilute hydrochloric acid	No effervescence is found
Chlorides (IP)	NMT 250ppm	Complies: < 250ppm
Iron (IP)	NMT 10ppm	Complies: <10ppm
Iron (USP/BP/EP/JP)	NMT 0.25%	Complies: < 0.25%
Lead (USP/ BP/EP/JP)	NMT 10.0 ppm	Complies: 3.21ppm
Magnesium (USP/BP/EP)	17.0 – 19.5%	Complies: 18.24%
Organic Compound (IP)	Residue obtained in the test for LOD is not more than slightly yellow or grey	Complies
Loss on ignition @ 1050°C – 1100°C (BP/EP/JP)	NMT 7.0%	Complies: 3.25%
Loss on Ignition @ 1075°C ± 25°C (USP)	NMT 7.0%	Complies: 3.25%
Loss on drying (180°C, 1hr) (IP)	NMT 1.0%	Complies: 0.27%
Microbial Test (IP/BP/EP) For Cutaneous Administration For Oral Administration	TAMC: NMT 10^2 cfu/g TAMC: NMT 10^3 cfu/g & TYMC NMT: 10^2 cfu/gm	TAMC: 50 cfu/g TYMC: < 10 cfu/gm

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Microbial Test (USP) For Tropical Administration For Oral Administration	 TAMC: NMT 100 cfu/gm & TYMC: NMT 50 cfu/gm TAMC: NMT 1000 cfu/gm & TYMC: NMT 100 cfu/gm, Salmonella & Escherichia Coli-Absent	 TAMC: 50 cfu/g TYMC: 10 cfu/gm
Particle Size (BP/EP)	2.9.31	Complies with BP/EP
Specific Surface Area (BP/EP)	2.0 – 8.0 M^2/gm 2.9.26	Complies4.26 M^2/gm Complies with BP/EP
Conclusion	The product complies with **IP 2022/ USP-NF2025/ BP2025/ EP 11.0/ JP 18 Pharmacopeia**	

Storage Conditions: Keep in a well closed container stored. Protect against physical damage. Avoid dust formation and control ignition sources.

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