Table 2: Pulverization Conditions of Airflow Pulverizer and Analysis Value of Each Sample					
		Production Example 1	Production Example 2	Production Example 3	Production Example 4
Pulverization Condition	Classification Speed (rpm)	11500	8000	5000	1800
	Common Pulverization Conditions	Diameter of nozzle used×number: 5.0 mm×3 Amount supplied: 6 kg Pulverization air flow rate (theoretical value): 4.81 Nm^3/min Pulverization air pressure: 0.60 MPa			
Appearance	Visual Appearance	Fine Powder			
	Particle Shape by Electron Microscopy	Irregular shapes with uneven surfaces formed due to the presence and accumulation of multiple flakes on their surfaces			
Analysis Value	Average Particle Diameter (μm)	3.5	4.2	6.0	10.5
	Specific Surface Area (m^2/g)	5.8	5.2	4.0	3.0
	Loose Bulk Density (g/cm^3)	0.15	0.16	0.19	0.23
	Compact Bulk Density (g/cm^3)	0.28	0.29	0.33	0.41
	Peak Intensity Ratio	0.98	0.98	0.98	0.98
	Average Value of Long Side (μm)	0.5	0.7	0.6	0.7
	Average Value of Short Side (μm)	0.3	0.4	0.3	0.3
	Average Value of Thickness (μm)	0.06	0.06	0.07	0.06
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition		β-type	β-type	β-type	β-type

Table 3: Heating Method and Analysis Value of Each Sample					
		Production Example 5	Production Example 6	Production Example 7	Production Example 8
Heating Method	Heating Device	Constant Temperature Chamber	Constant Temperature Chamber	Horizontal Agitator Tank	Horizontal Agitator Tank
	State of Raw Material during Heating	Standing State	Standing State	Stirring State	Stirring State
	Heating Temperature	40°C	62°C	63°C	65°C
	Heating Time	28 Days	15 Hours	30 Minutes	1 Hour
Appearance	Visual Appearance	Flaked	Flaked	Flaked	Flaked
Analysis Value	Peak Intensity Ratio	0.90	0.99	0.99	0.99
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition		β-type	β-type	β-type	β-type

Table 4: Pulverization Conditions of Airflow Pulverizer and Analysis Values of Samples		
Production Comparative Example 1		
Pulverization Condition	Diameter of nozzle used×number: 5.0 mm×3 Classification speed: 8000 rpm Amount supplied: 6 kg Pulverization air flow rate (theoretical value): 4.81 Nm^3/min Pulverization air pressure: 0.60 MPa	
Appearance	Visual Appearance	Fine powder, but some particles were aggregated.
	Particle Shape by Electron Microscopy	Irregular shapes with uneven surfaces formed due to the presence and accumulation of multiple flakes on their surfaces
Analysis Value	Average Particle Diameter (μm)	6.0
	Specific Surface Area (m^2/g)	5.1
	Loose Bulk Density (g/cm^3)	0.19
	Compact Bulk Density (g/cm^3)	0.30
	Peak Intensity Ratio	0.55
	Average Value of Long Side (μm)	0.6
	Average Value of Short Side (μm)	0.4
	Average Value of Thickness (μm)	0.06
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition		α-type and β-type

Table 5: Pulverization Conditions of Mechanical and Airflow Pulverizer and Analysis Values of Samples		
Production Comparative Example 2		
Pulverization Condition	1st Time	Impeller rotation speed: 6600 rpm Inter-impeller distance: 25 mm Blower rotation speed: 60 Hz
	2nd Time	Impeller rotation speed: 7000 rpm Inter-impeller distance: 48 mm Blower rotation speed: 50 Hz
Appearance	Visual Appearance	Fine Powder
	Particle Shape by Electron Microscopy	Irregular shape with no flakes on the particle surfaces, and irregular shape with uneven surface formed due to the presence of multiple flakes on the surfaces
Analysis Value	Average Particle Diameter (μm) after First Pulverize	43.6
	Average Particle Diameter (μm) after Second Pulverize	10.9
	Specific Surface Area (m^2/g)	2.7
	Loose Bulk Density (g/cm^3)	0.27
	Compact Bulk Density (g/cm^3)	0.45
	Peak Intensity Ratio	0.99
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition		β-type

Table 6: Pulverization Conditions of Airflow Pulverizer and Analysis Value of Each Sample						
		Production Comparative Example 3	Production Comparative Example 4	Production Comparative Example 5	Production Comparative Example 6	Production Comparative Example 7
Pulverization Condition	Classification Speed (rpm)	11500	8000	5000	3000	1800
	Common Pulverization Conditions	Diameter of nozzle used×number: 5.0 mm×3 Amount supplied: 10 kg Pulverization air flow rate (theoretical value): 4.81 Nm^3/min Pulverization air pressure: 0.60 MPa				
Appearance	Visual Appearance	Fine Powder				
	Particle Shape by Electron Microscopy	Plate-Shaped				
Analysis Value	Average Particle Diameter (μm)	2.9	3.6	5.0	6.7	7.9
	Specific Surface Area (m^2/g)	5.1	4.4	3.7	3.1	3.1
	Loose Bulk Density (g/cm^3)	0.11	0.14	0.15	0.18	0.19
	Compact Bulk Density (g/cm^3)	0.23	0.27	0.31	0.36	0.38
	Peak Intensity Ratio	0.99	0.99	0.99	0.99	0.99
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition		β-type	β-type	β-type	β-type	β-type

Table 7: Pulverization Conditions of Mechanical and Airflow Pulverizer and Analysis Values of Samples		
Production Comparative Example 8		
Pulverization Condition	Impeller rotation speed: 6600 rpm Inter-impeller distance: 25 mm Blower rotation speed: 60 Hz	
Appearance	Visual Appearance	Fine Powder
	Particle Shape by Electron Microscopy	Plate-Shaped
Analysis Value	Average Particle Diameter (μm)	11.1
	Specific Surface Area (m^2/g)	2.6
	Loose Bulk Density (g/cm^3)	0.19
	Compact Bulk Density (g/cm^3)	0.39
	Peak Intensity Ratio	0.99
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition		β-type

Table 8: Pulverization Conditions of Fine Pulverizer with Built-In Impact-Type Classifier and Analysis Values of Samples		
Production Comparative Example 9		
Pulverization Condition	Pulverizer rotation speed: 6000 rpm Classification rotation speed: 1500 rpm	
Appearance	Visual Appearance	Fine Powder
	Particle Shape by Electron Microscopy	Plate-Shaped
Analysis Value	Average Particle Diameter (μm)	16.6
	Specific Surface Area (m^2/g)	2.1
	Loose Bulk Density (g/cm^3)	0.21
	Compact Bulk Density (g/cm^3)	0.43
	Peak Intensity Ratio	0.98
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition		β-type

Table 9: Storage Stability Test Results (5 days at 40°C, 5 months at 20°C)				
		Production Example 1	Production Comparative Example 1	Production Comparative Example 4
Crystal Polymorphism of Oil and/or Fat in Powdered Oil and/or Fat Composition at Start of Storage		β-type	α-type+β-type	β-type
Appearance	Before Storage	Powdery	Powdery	Powdery
	After storage at 40°C for 5 days	Powdery	Blocking (powder aggregation) occurred, resulting in large lumps	Powdery
	Drawing (40°C)	Fig. 8	Fig. 9	Fig. 10
	After storage at 20°C for 5 months	Powdery	Some blocking (aggregation of powder) occurred	Powdery

Table 10: Aggregation Degree and repose Angle Relative Value				
Powder Added	Production Example 1	Production Example 2	Production Example 3	Production Example 4
Pulverizer	Airflow Pulverizer			
Average Particle Diameter (μm)	3.5	4.2	6.0	10.5
Aggregation Degree (%)	50.5	37.0	24.2	9.6
Repose Angle Relative Value (%) of Powdered Potato Starch	86.3	85.1	85.7	82.1

Table 11: Aggregation Degree and repose Angle Relative Value					
	Production Comparative Example 1	Production Comparative Example 2	Production Comparative Example 3	Production Comparative Example 4	Production Comparative Example 5
Pulverizer	Airflow Pulverizer	Mechanical and Airflow Pulverizer	Airflow Pulverizer		
Average Particle Diameter (μm)	6.0	10.9	2.9	3.6	5.0
Aggregation Degree (%)	51.9	25.9	73.3	82.1	71.9
Repose Angle Relative Value (%) of Powdered Potato Starch	89.1	96.8	89.9	92.6	92.6

Table 12: Aggregation Degree and repose Angle Relative Value				
	Production Comparative Example 6	Production Comparative Example 7	Production Comparative Example 8	Production Comparative Example 9
Pulverizer	Airflow Pulverizer		Mechanical and Airflow Pulverizer	Mechanical Pulverizer
Average Particle Diameter (μm)	6.7	7.9	11.1	16.6
Aggregation Degree (%)	70.9	68.9	66.0	78.4
Repose Angle Relative Value (%) of Powdered Potato Starch	94.5	95.1	95.0	93.0

Table 13: Repose Angle Relative Value (Stored at 20°C for 5 Months after Production)		
Powder Added	Production Example 1	Production Comparative Example 1
Pulverizer	Airflow Pulverizer	
Repose Angle Relative Value (%) of Powdered Potato Starch	86.9	97.6