

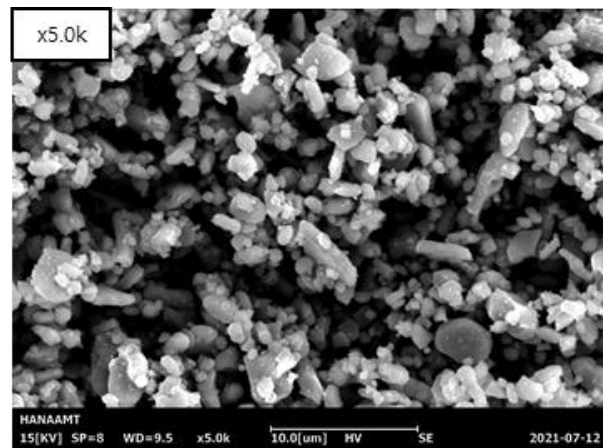
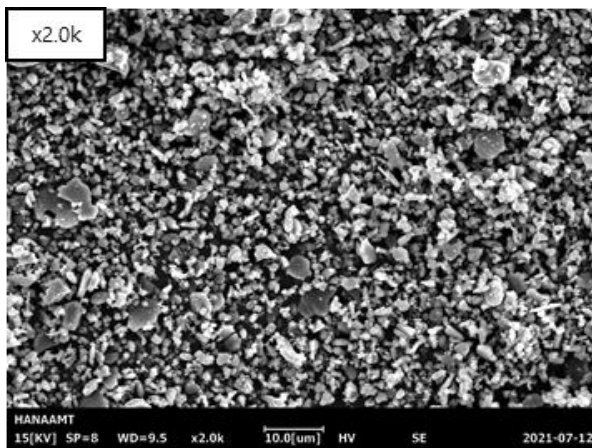
TECHNICAL DATA SHEET (TDS)

Product	ALUMINA (HA-AO-2S)
Chemical Formula	Al ₂ O ₃
Chemical Name	Alumina
Product Description	High Purity Alumina, Good packing density, Good thermal conductivity.

SPECIFICATION

Particle size	D10 (μm)	D50 (μm)	D90 (μm)	D(4,3)	SPAN
	1.059	2.885	7.106	4.043	2.1
Whiteness index (%)	Moisture (%)	SSA (m ² /g)	True density (g/cm ³)		
98.5	0.31	1.4±0.2	3.95±0.1		
Chemical compositions					
Al ₂ O ₃ (%)			≥99.8		
Na ₂ O (%)			≤0.1		
SiO ₂ (%)			≤0.09		
Fe ₂ O ₃ (%)			≤0.02		
Electrical conductivity (μS/cm)			≤80		
pH			6.5~8.5		

SEM



FROM POWDER TO PERFORMANCE

하나에이엠티㈜, 충북 청주시 청원구 오창읍 각리1길 75 T. 043-2110-0046, F. 043-211-0048,

Email : hanaamt@hanaamt.com, <http://www.hanaamt.com>

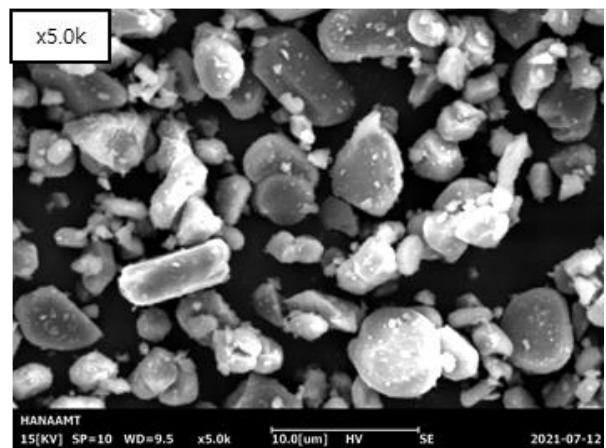
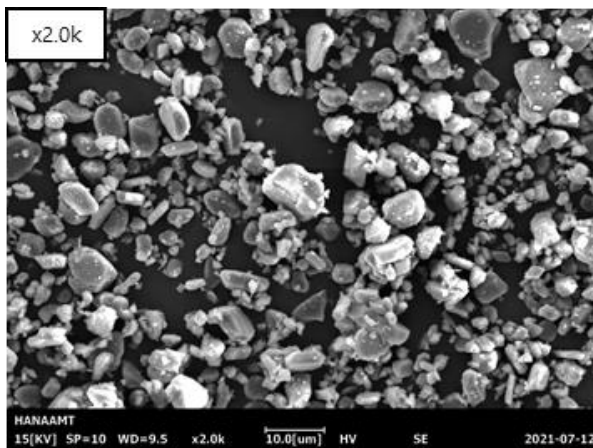
TECHNICAL DATA SHEET (TDS)

Product	ALUMINA (HA-AO-5S)
Chemical Formula	Al ₂ O ₃
Chemical Name	Alumina
Product Description	High Purity Alumina, Good packing density, Good thermal conductivity.

SPECIFICATION

Particle size	D10 (μm)	D50 (μm)	D90 (μm)	D(4,3)	SPAN
	2.123	6.343	16.32	7.926	2.24
Whiteness index (%)	Moisture (%)	SSA (m ² /g)	True density (g/cm ³)		
95.1	0.12	1.4±0.2	3.95±0.1		
Chemical compositions					
Al ₂ O ₃ (%)			≥99.8		
Na ₂ O (%)			≤0.1		
SiO ₂ (%)			≤0.09		
Fe ₂ O ₃ (%)			≤0.02		
Electrical conductivity (μS/cm)			≤80		
pH			6.5~8.5		

SEM



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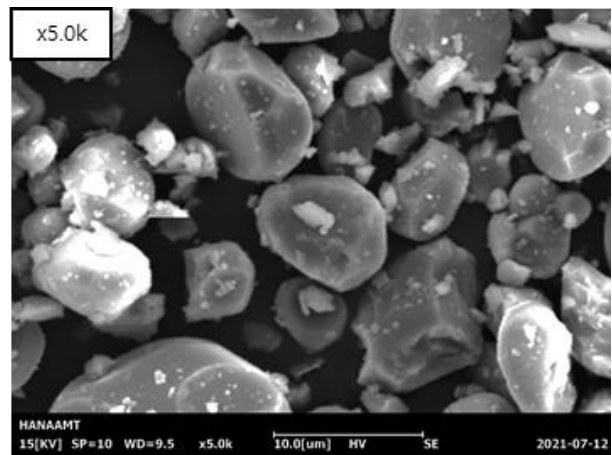
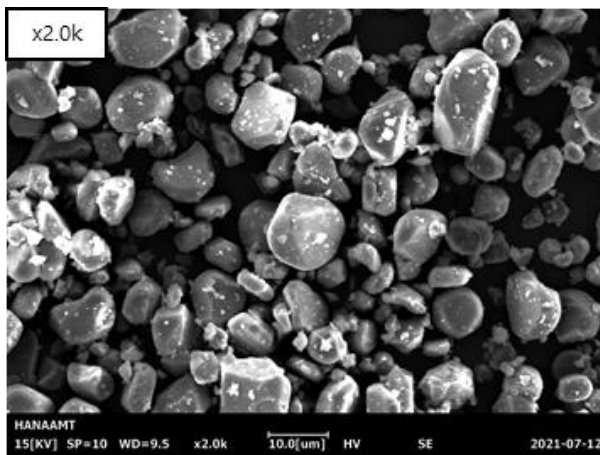
TECHNICAL DATA SHEET (TDS)

Product	ALUMINA (HA-AO-10S)
Chemical Formula	Al ₂ O ₃
Chemical Name	Alumina
Product Description	High Purity Alumina, Good packing density, Good thermal conductivity.

SPECIFICATION

Particle size	D10 (μm)	D50 (μm)	D90 (μm)	D(4,3)	SPAN
	3.921	9.388	19.36	10.64	1.65
Whiteness index (%)	Moisture (%)	SSA (m ² /g)	True density (g/cm ³)		
95	0.22	0.3±0.1	3.95±0.1		
Chemical compositions					
Al ₂ O ₃ (%)			≥99.8		
Na ₂ O (%)			≤0.1		
SiO ₂ (%)			≤0.09		
Fe ₂ O ₃ (%)			≤0.02		
Electrical conductivity (μS/cm)			≤80		
pH			6.5~8.5		

SEM



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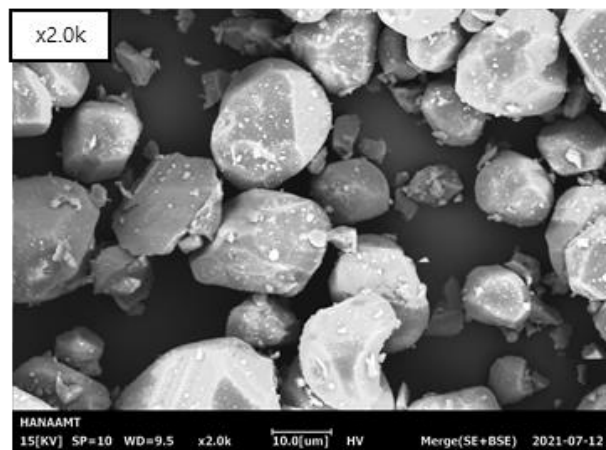
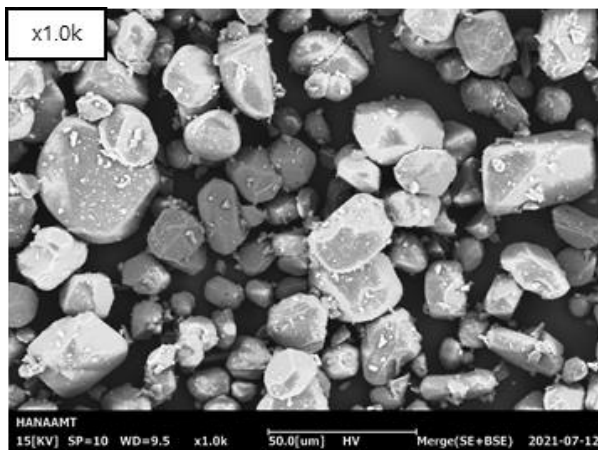
TECHNICAL DATA SHEET (TDS)

Product	ALUMINA (HA-AO-20S)
Chemical Formula	Al ₂ O ₃
Chemical Name	Alumina
Product Description	High Purity Alumina, Good packing density, Good thermal conductivity.

SPECIFICATION

Particle size	D10 (μm)	D50 (μm)	D90 (μm)	D(4,3)	SPAN
	4.644	21.68	74.08	31.63	3.20
Whiteness index (%)	Moisture (%)	SSA (m ² /g)	True density (g/cm ³)		
90.7	0.13	0.2±0.2	3.95±0.1		
Chemical compositions					
Al ₂ O ₃ (%)		≥99.8			
Na ₂ O (%)		≤0.1			
SiO ₂ (%)		≤0.09			
Fe ₂ O ₃ (%)		≤0.02			
Electrical conductivity (μS/cm)		≤80			
pH		6.5~8.5			

SEM



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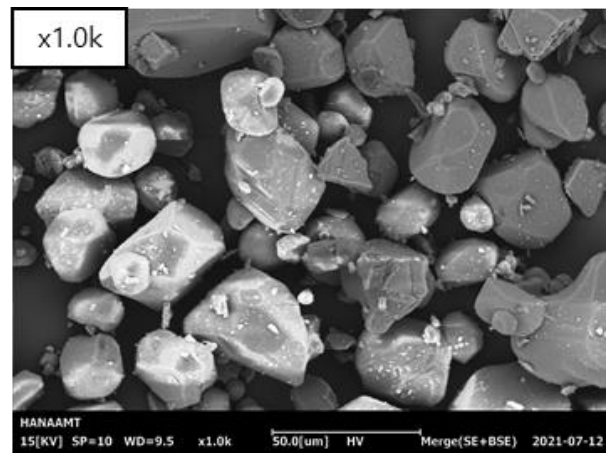
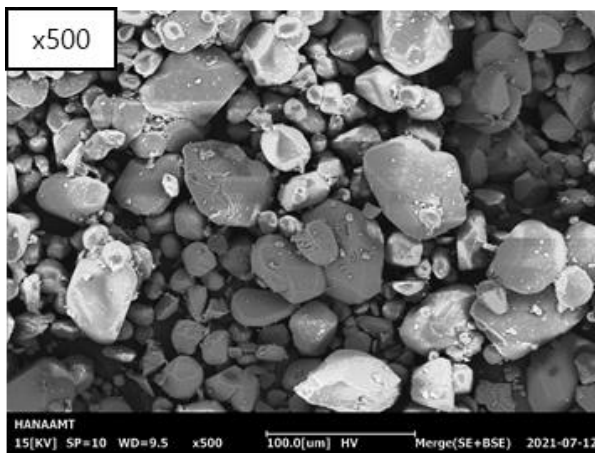
TECHNICAL DATA SHEET (TDS)

Product	ALUMINA (HA-AO-40S)
Chemical Formula	Al ₂ O ₃
Chemical Name	Alumina
Product Description	High Purity Alumina, Good packing density, Good thermal conductivity.

SPECIFICATION

Particle size	D10 (μm)	D50 (μm)	D90 (μm)	D(4,3)	SPAN
	17.40	46.39	95.18	51.80	1.68
Whiteness index (%)	Moisture (%)	SSA (m ² /g)	True density (g/cm ³)		
90.9	0.26	0.2±0.1	3.95±0.1		
Chemical compositions					
Al ₂ O ₃ (%)		≥99.8			
Na ₂ O (%)		≤0.1			
SiO ₂ (%)		≤0.09			
Fe ₂ O ₃ (%)		≤0.02			
Electrical conductivity (μS/cm)		≤80			
pH		6.5~8.5			

SEM



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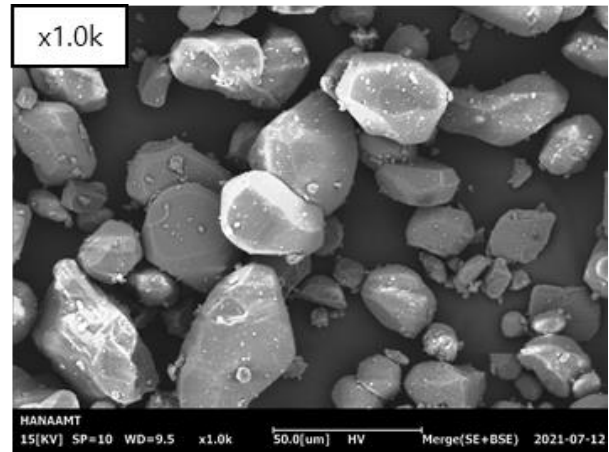
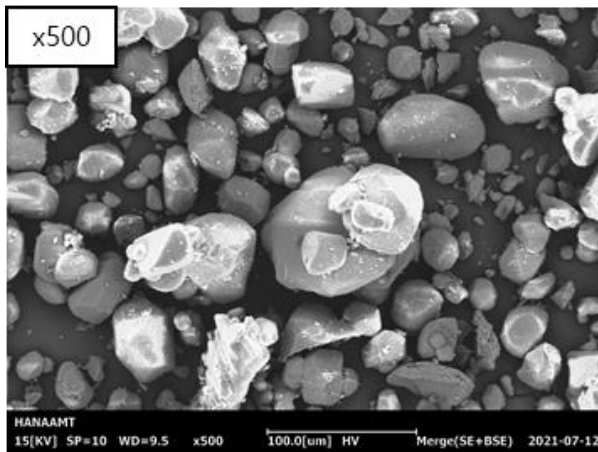
TECHNICAL DATA SHEET (TDS)

Product	ALUMINA (HA-AO-60S)
Chemical Formula	Al ₂ O ₃
Chemical Name	Alumina
Product Description	High Purity Alumina, Good packing density, Good thermal conductivity.

SPECIFICATION

Particle size	D10 (μm)	D50 (μm)	D90 (μm)	D(4,3)	SPAN
	18.91	59.05	129.4	67.90	1.87
Whiteness index (%)	Moisture (%)	SSA (m ² /g)	True density (g/cm ³)		
90.5	0.12	0.2±0.1	3.95±0.1		
Chemical compositions					
Al ₂ O ₃ (%)		≥99.8			
Na ₂ O (%)		≤0.1			
SiO ₂ (%)		≤0.09			
Fe ₂ O ₃ (%)		≤0.02			
Electrical conductivity (μS/cm)		≤80			
pH		6.5~8.5			

SEM



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