Grain Size Analysis – Planimetric Method

Grain Size Analysis		Preparation steps	
Standard information		Etching	
Standard	ASTM E 112 - 13	Heat treatment	
Sample information		**Measurement information**	
Sample name or number		Evaluation date and time	01.09.2021 12:36:38
Sampling location		Magnification	
Number of samples		Description	
Number of images		**User Information**	
Lot number		User Name	
Grinding number		Position	
Material name		Company Name	

Overall measurement data

Results

Image	Grain Size	Number of Grains	Exact Value
Image 01	6,5	215,500	6,290
Image 02	6,0	211,000	6,245

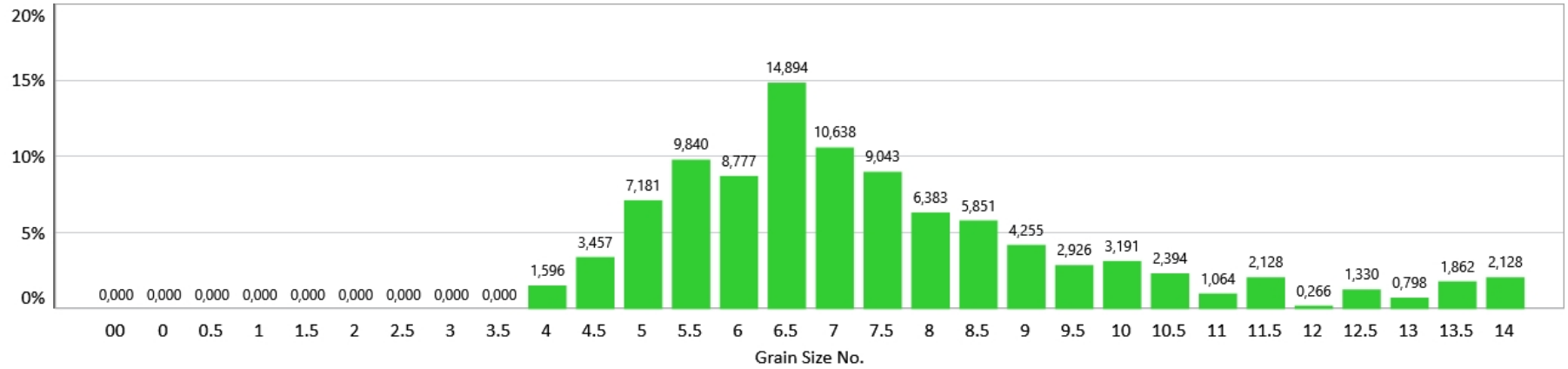
Description	ID	Is Frame Touched	Area [µm²]	Diameter [µm]	Feret Ratio
Mean	438,000		1238,321	31,256	0,570

Description	ID	Is Frame Touched	Area [µm²]	Diameter [µm]	Feret Ratio
Mean	456,000		1259,221	31,395	0,573

Statistics

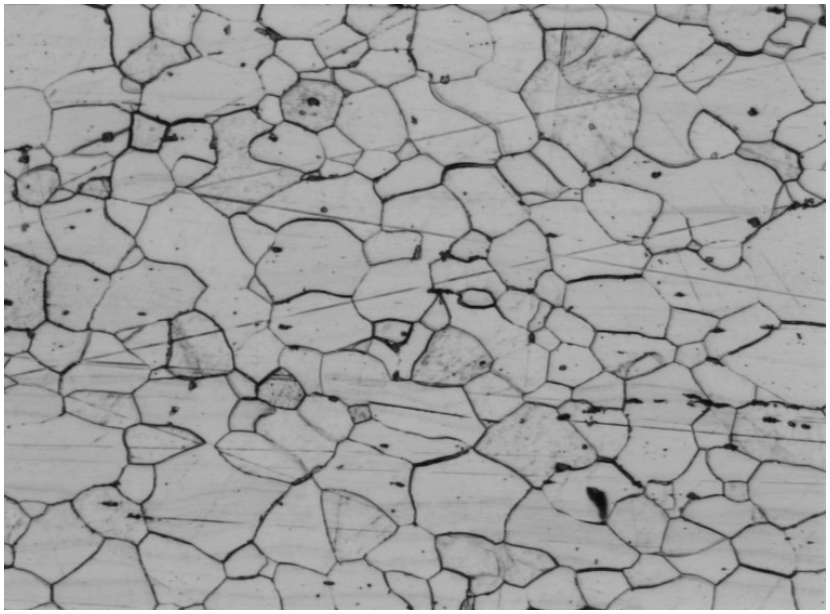
Mean Grain Size No.	Standard Deviation	Confidence Interval	Number of Images	Number of Grains	Exact Value
6,5	0,022	0,031	2	426,500	6,268

Grains distribution over all Images

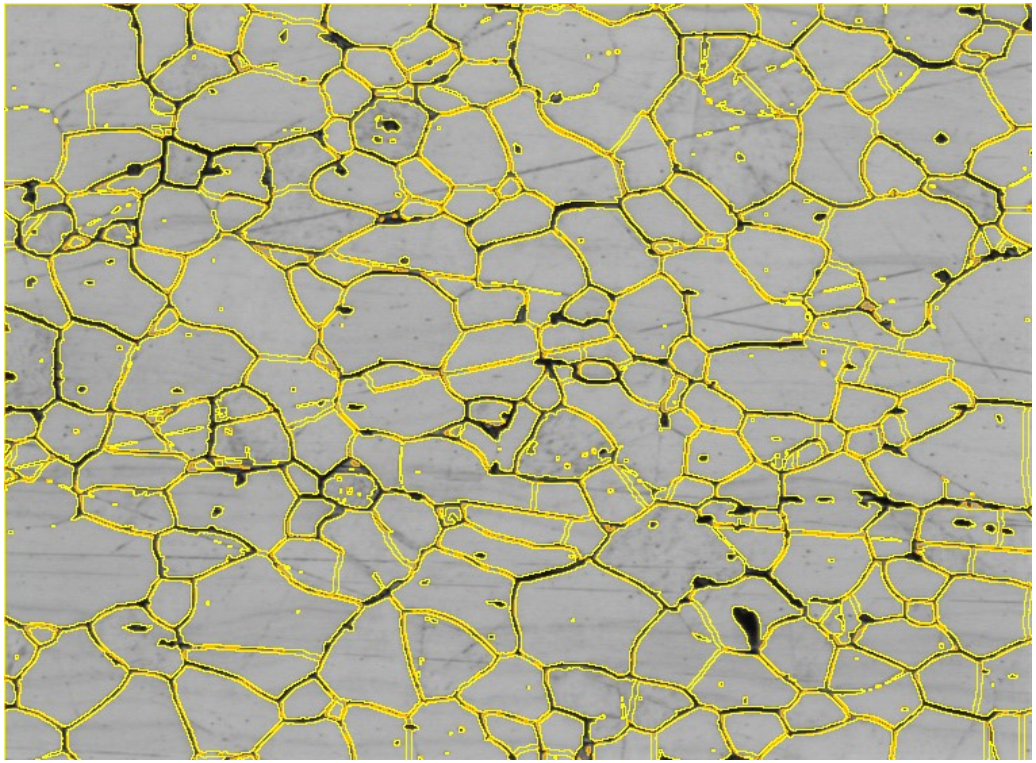


Measurements

Original Image

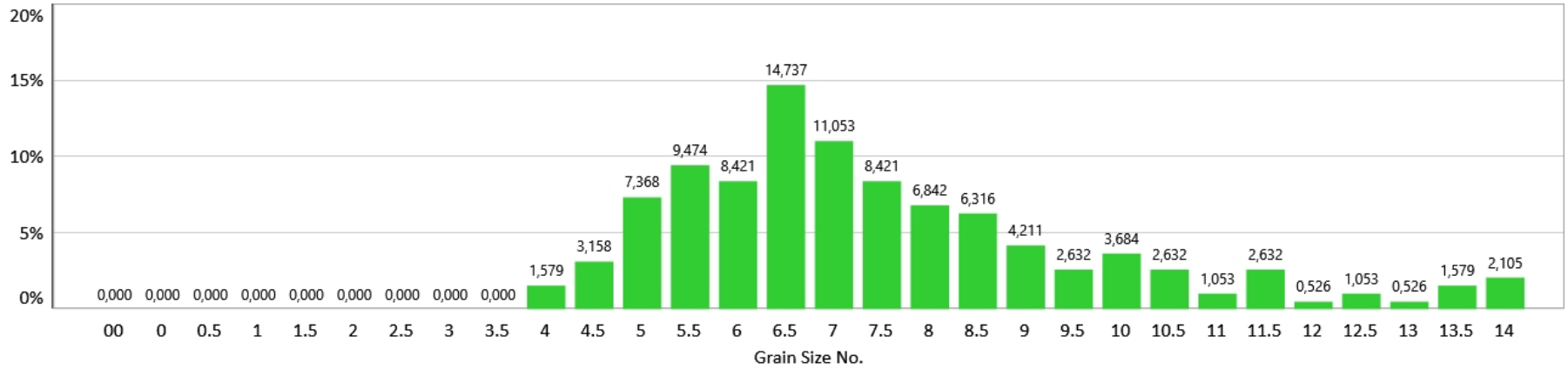


Analyzed Image



File Name

Grain size distribution

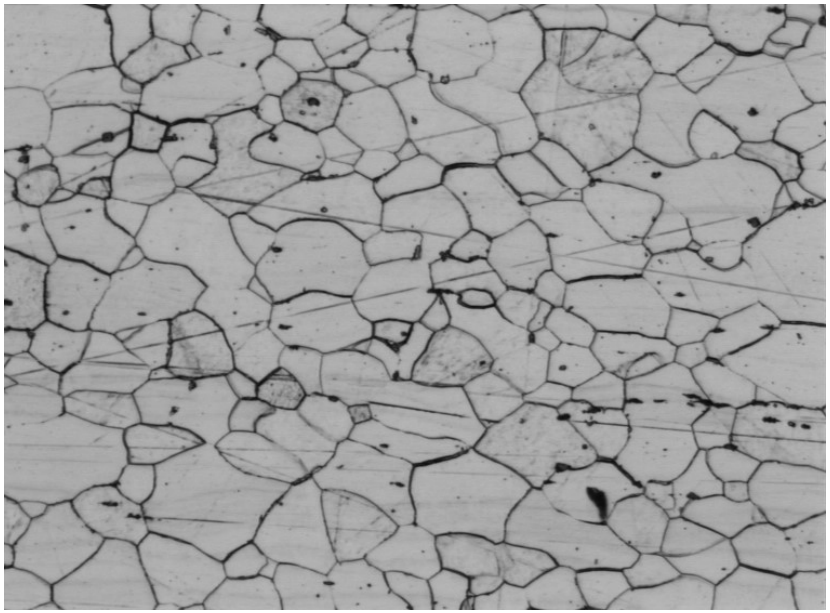


Results

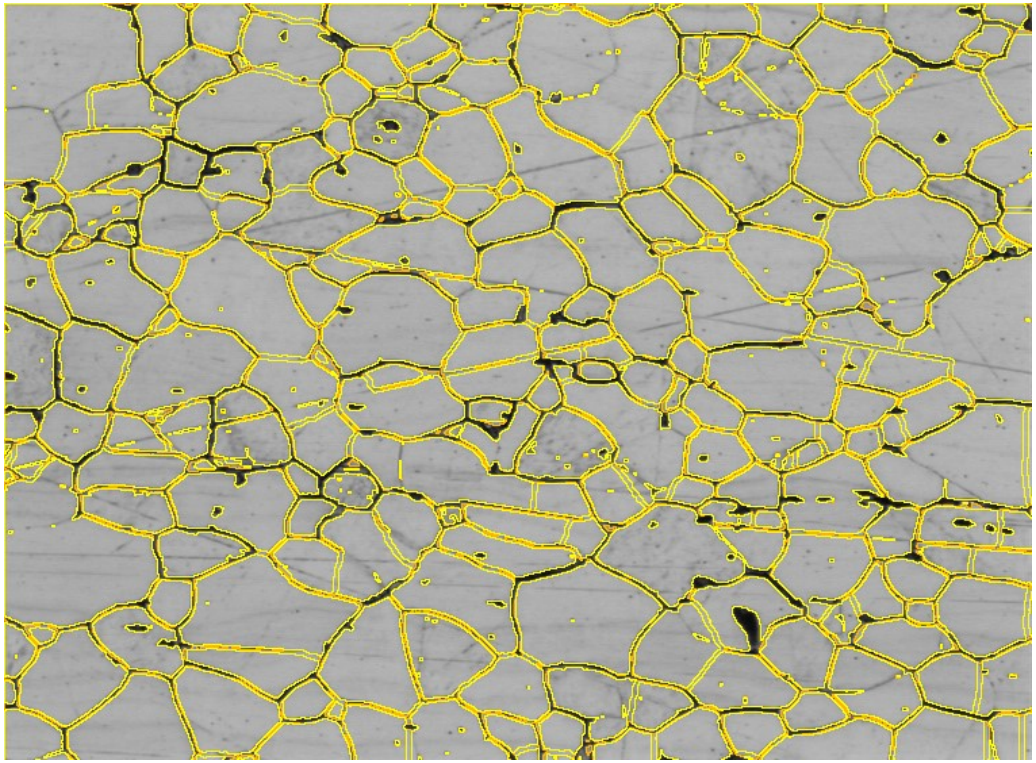
Grain Size	Number of Grains	Exact Value
6,5	215,500	6,290

Measurements

Original Image

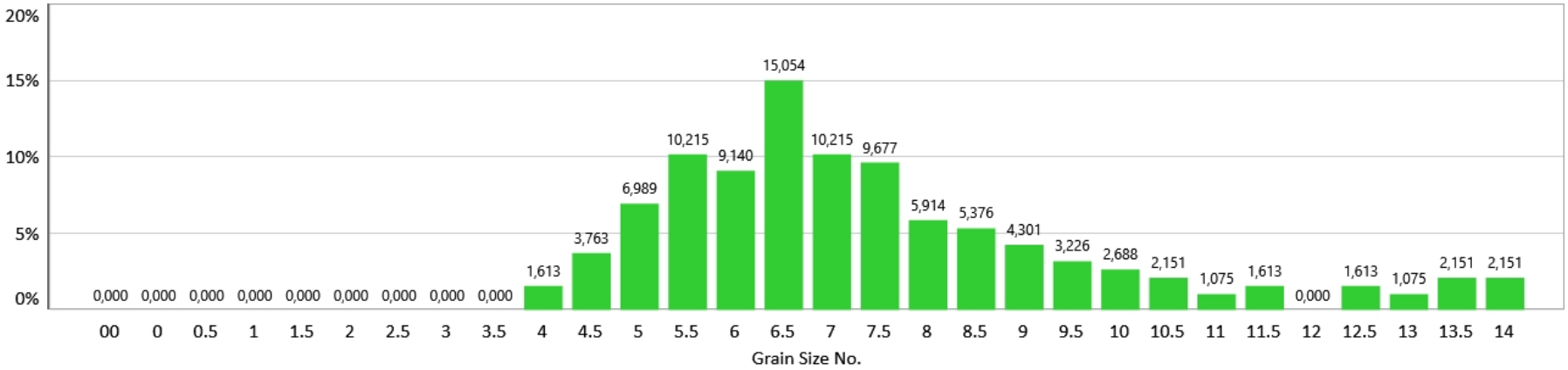


Analyzed Image



File Name

Grain size distribution



Results

Grain Size	Number of Grains	Exact Value
6,0	211,000	6,245