



SILVER FLAKE AX 20LC

- * THE HIGHEST METAL PURITY
- * THE HIGHEST IONS PURITY
- * FLAKE SHAPES OF PARTICLES

GENERAL DESCRIPTIONS:

Silver powder **AX 20LC** is special prepared silver filler with flake shape of particles. This product is the highest metal purity and contains ions as low as possible.

Very high metal and ions purity is reason that **AX 20LC** can be used in many different type of applications including silver - polymer mixtures. This silver filler is suitable for room, temperature as well medium and high curing or firing temperature formulations.

SPECIFICATIONS:

Silver	Min. 99.99%
Max. metal impurities	Pb max. 0.0005%
	Fe max. 0.0025%
	Zn max. 0.0002%
	Cu less 0.0008%
Tap density *	3.4 – 3.8 g/ccm
Average particle size **	2 – 4 µm
Max. agglomerate size ***	6 – 12 µm
Lubricant type ****	KS10
Weight loss *****	Max. 0.4 %
Ions impurities (Cl, Na, K) *****	Less 10 ppm (total)

(*) Tap Density – ASTM Designation B 527-85.

(**) Particle Average Size – by Coulter measurement method.

(***) According ASTM Designation D 1210-79.

(****) According AXMC code.

(*****) Weight loss: Test conditions: 538°C – 1 hour. Read result as sum of all loses (at 110°C, 177°C and 538°C).

(*****) @ Dionex Analyzer

ATTENTION:

AX 20LC is metal powder with flake shape of particles. Use protective gloves, goggles and good ventilation for your personal protection.

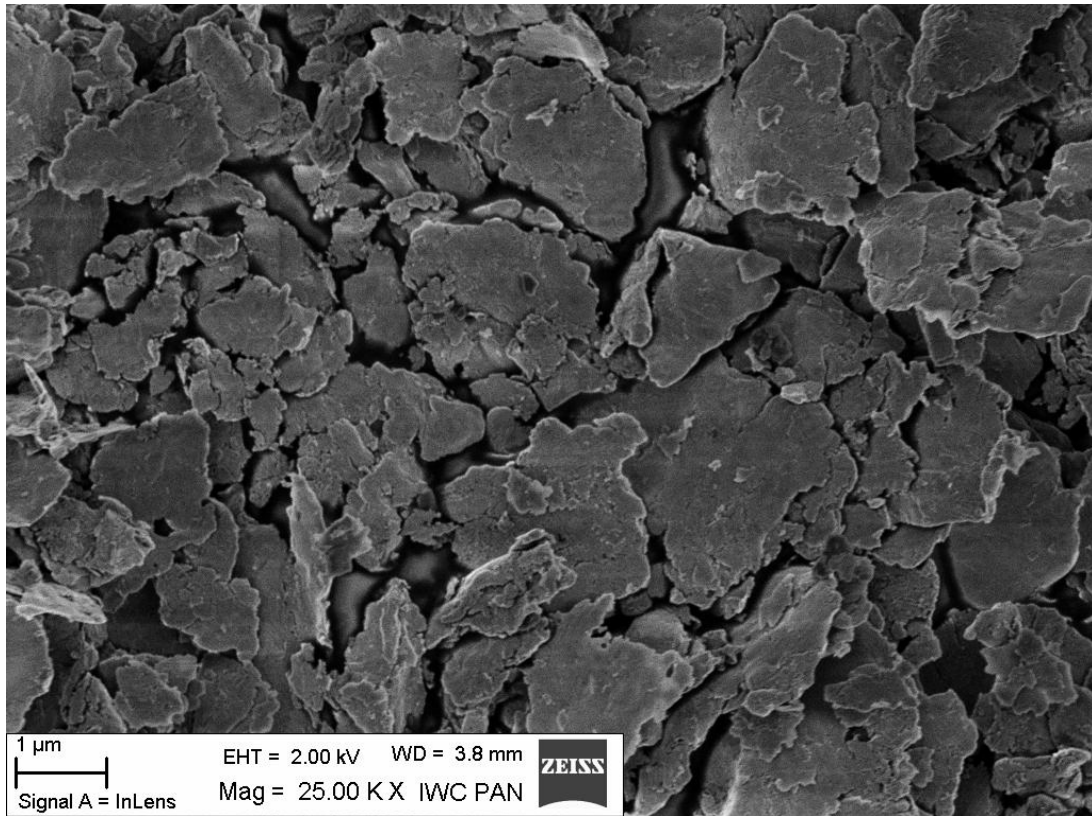


Fig. 1.

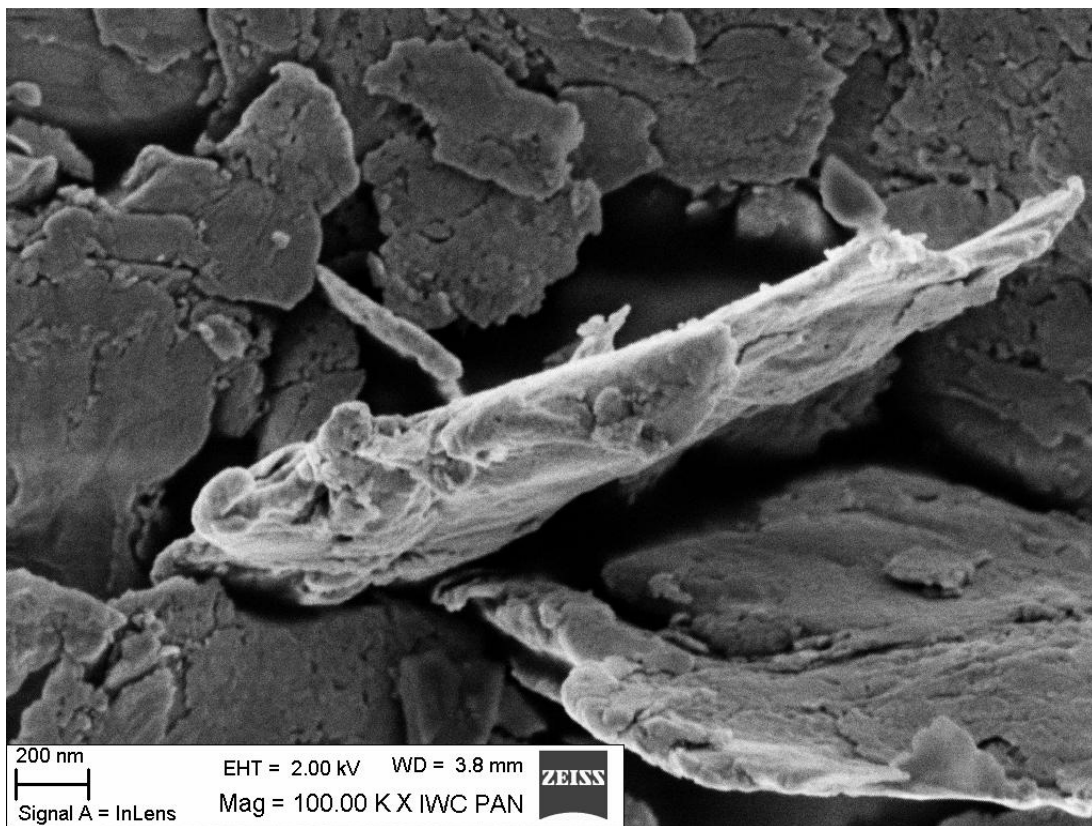


Fig. 2.

Results

	Size (d.nm...)	% Intensity:	St Dev (d.n...
Z-Average (d.nm): 1313	Peak 1: 2154	88,2	744,9
Pdl: 0,417	Peak 2: 313,6	11,8	59,08
Intercept: 0,826	Peak 3: 0,000	0,0	0,000

Result quality Refer to quality raport

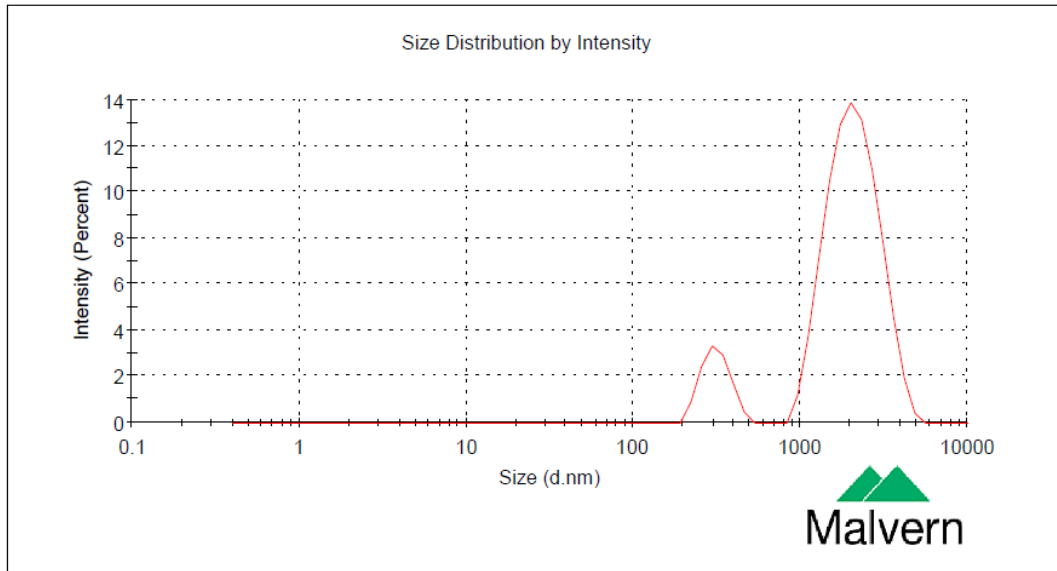


Fig. 3.

Fig. 1 and 2 are SEM pictures of Silver Flake AX 20LC. (*)
Fig. 3 – particle size distribution DLS of Silver Flake AX 20LC (*)
(*) - Typical for number of tests.

This information is based on data and tests believed to be accurate. **AMEPOX MC** makes no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with the use or inability to use this product.

(SilverFlk – AX20LC)