Tetra Basic Lead Sulfate (4BS)

- Tetra basic lead sulfate produced by the reaction of lead oxide with sulphuric acid, chemical formula (Pb So4 .4Pbo). 4BS has a very small particle size and is specially treated for applications in the battery industry.

- IPCO developed tetra - basic lead sulfate seeding material enabling the battery manufacturer to produce tetra - basice cured positive active materials with control of the porosity and the crystal size of positive active material. IPCO has introduced tetra basic lead sulphate for industial batterirs, where it has given remarkable results for the initial capacity of the battery without losing any capacity in deep cycle tests.For such specific applications only 2% of tetra basic tetra sulfate was added to the positive paste.

- The Principle of 'seeding' the tetra - basic lead sulfate crystals as a means to control the growth of these crystals. is a well known technology.The principle is to add a powdered tetra - basic lead sulfate crystal to the paste in the paste mixer. In this way a number of crystal seed sites are created.This leads to large number of relatively even size tetra - basic lead sulfate crystals.

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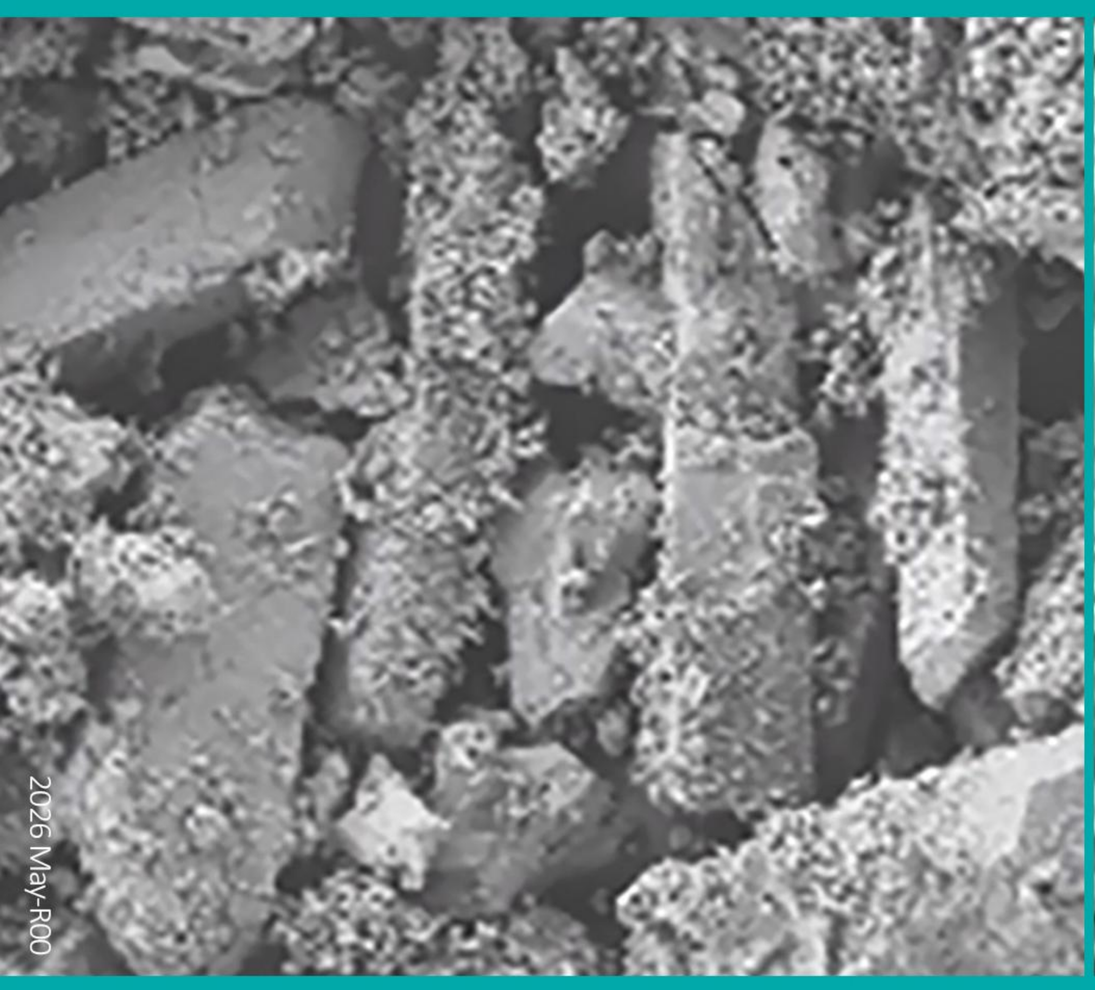
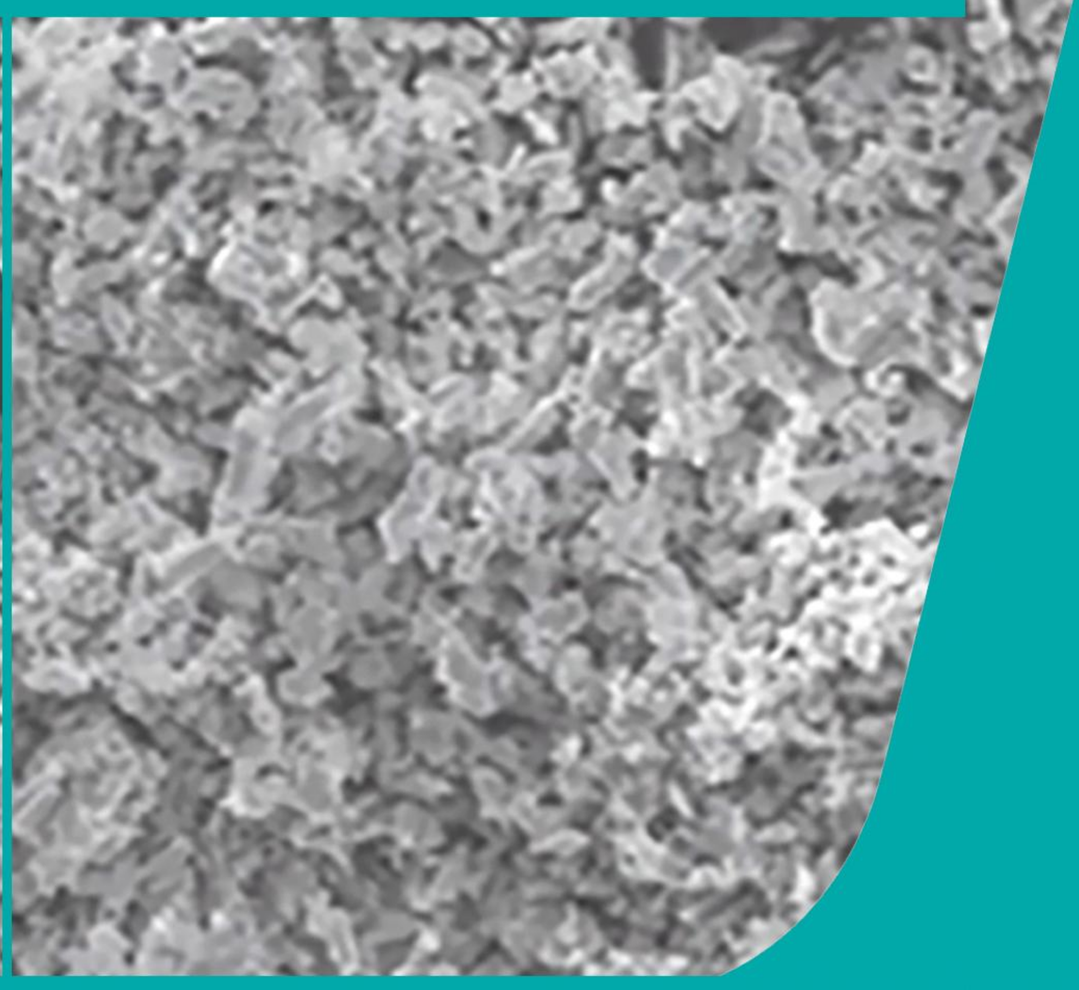
Technical Data Sheet

Technical Data Sheet

Parameter	Unit	Specificatoin
Lead as PbO%	%	90 - 95%
Moisture at 105° c	%	0.5
Sieve Residue (25µ)	%	0.5

SEM Images of Before & After Addition of Tetrabasic Lead Sulfate





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