HALBLEITER MATERIAL

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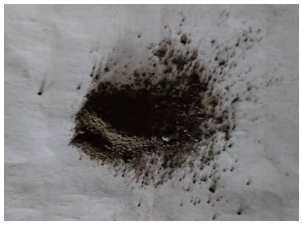
Technical Data Sheet

Sodium Manganese Iron Phosphate (NMFP) Powder

Product ID: 112526150800PD001
Formular: $NaMn_{(x)}Fe_{(1-x)}PO_4$ **Molecular weight:** /
CAS No.: / **EINECS No.:** /
Color: Gray-black
Description: Our Sodium Manganese Iron Phosphate (NMFP) has a typical purity of ≥99% and can be customized with different molar ratios and particle sizes. It features high stability, excellent ionic conductivity, and safe, environmentally friendly sodium-ion energy storage properties.
Application: As a high-performance cathode material for sodium-ion batteries, energy storage systems, portable electronics, and electric vehicles
Product Image:



1. Physical Properties

Product ID	Chemical Formula	Purity	Particle size
112526150800PD001	$NaMn_{(x)}Fe_{(1-x)}PO_4$	≥ 99%	D50 < 10μm
112526150800PDDZ	Customized	≥ 99%	Customized

2. Chemical compositions

	Chemical Composition (wt%)						
Element	Na		Mn		Fe		P
Typical Value	12.0 ± 1.0		4.8 ± 0.5		25.0 ± 2.0		17.0 ± 2.0
	Metal impurities (ppm)						
Element	Li	K	Mg	Ca	Cr	Cu	Zn
Typical Value	≤ 2000	≤ 100	≤ 150	≤ 150	≤ 50	≤ 50	≤ 110

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Density

Tapped Density > 1,0 g/ml
Bulk Density > 0,65 g/ml

4. Packaging

Bottled / Bag.
Double vacuum packed.
Customized packaging available upon request.

5. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear a dust mask to prevent dust inhalation, and handle in a well-ventilated area. Store in a cool, dry, and tightly sealed container, away from moisture and strong oxidizing agents

Contact Us

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