



## 'Agriculture Made Better'

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### HEAD OFFICE

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### EXCHANGE DEPOT

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## FERTILZIER TECHNICAL SPECIFICATIONS

Product: **SINGLE SUPER PHOSPHATE**

### Material Description and Appearance:

Essentially calcium phosphate,  $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$  in the form of a free flowing, off-white powder or granules, free from visible impurities.

TEST	SPECIFICATION	TYPICAL ANALYSIS
1. Available Phosphate, % (m/m) (Citric Soluble $\text{P}_2\text{O}_5$ )	19.5 – 22%	20.2%
2. Moisture as $\text{H}_2\text{O}$ , % (m/m)	<10.0%	7.6%
3. Free Acid, % (m/m)	<5%	4.8%
4. Calcium Oxide as CaO, % (m/m)	25-40%	30.8%
5. Sulphur Trioxide as $\text{SO}_3$ , % (m/m)	>20%	24.1%
6. Fluoride as F, %	<2%	0.1%
7. Silicon Dioxide $\text{SiO}_2$ , % (m/m)	<10%	0.7%
8. Iron Oxide as $\text{Fe}_2\text{O}_3$ , % (m/m)	<3%	0.7%
9. Aluminium Oxide as $\text{Al}_2\text{O}_3$ , % (m/m)	<2%	0.14
10. Magnesium Oxide as MgO, % (m/m)	<2%	0.24%
11. Sodium Oxide as $\text{Na}_2\text{O}$ , % (m/m)	<3%	1.32%
12. Potassium Oxide as $\text{K}_2\text{O}$ , % (m/m)	<2%	0.05%
13. Radioactivity	The material should not be radioactive.	Complies

<b>Hazards</b>	The material is harmful if swallowed.
<b>Toxicity</b>	The material is practically non-toxic.
<b>Special Precautions</b>	Avoid ingestion and skin contact. Wear protective clothing when handling the material.
<b>Uses</b>	As a phosphate fertilizer and in production of compound fertilizers.

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