MKP

General uses:
MKP is a very concentrated source of both phosphorus and potassium (chlorine free) for liquid fertilizers, fertigation, foliar sprays, starter and transplant solutions.

Crops:
MKP is a specialty fertilizer in intensive agriculture and horticulture, for vegetables, fruits and flowers in greenhouses and open field.

Instructions for use:
Contact your local distributor for individual guidance, since correct application rate depends on many different local factors.
MKP

Is the most concentrated fertilizer (52% P₂O₅ and 34% K₂O) and contains 100% of plant assimilable nutrients (H₂PO₄⁻ and K⁺).

MKP

Is fully water soluble, practically free of impurities and residual contaminants. It is very low in chlorine and sodium, an important point for fertigation on soilless culture with recycled water.

MKP

Has the lowest salt index among soluble fertilizing salts which makes it ideal for foliar fertilization.

MKP

Is ideal starter fertilizer for seed beds and transplants.
MONO POTASSIUM PHOSPHATE

Horticulture Grade
IDEAL FOR FERTILISATION
AND FOLIAR FERTILISATION
FULLY SOLUBLE FERTILIZER

MONO POTASSIUM PHOSPHATE
Horticulture Grade: D-52-34

Formula: $\text{KH}_2\text{PO}_4$
Molecular Weight: 134.1

Synonyms: Potassium Phosphate monobasic
Potassium dihydrogen orthophosphate
Mono Potassium Phosphate

Analysis (dry basis)

<table>
<thead>
<tr>
<th></th>
<th>Typical</th>
<th>Guaranteed</th>
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<tbody>
<tr>
<td>P2O5</td>
<td>85%</td>
<td>min 51.5%</td>
</tr>
<tr>
<td>KOH</td>
<td>24.5%</td>
<td>max 33.6%</td>
</tr>
<tr>
<td>SO3</td>
<td>max 0.05%</td>
<td>max 0.01%</td>
</tr>
<tr>
<td>Cl</td>
<td>0.01 p.p.m.</td>
<td>max 20 p.p.m.</td>
</tr>
<tr>
<td>F</td>
<td>max 10 p.p.m.</td>
<td>max 10 p.p.m.</td>
</tr>
<tr>
<td>Ca</td>
<td>100 p.p.m.</td>
<td>max 100 p.p.m.</td>
</tr>
<tr>
<td>Mg</td>
<td>100 p.p.m.</td>
<td>max 100 p.p.m.</td>
</tr>
<tr>
<td>Na</td>
<td>max 100 p.p.m.</td>
<td>max 100 p.p.m.</td>
</tr>
<tr>
<td>Fe</td>
<td>&lt; 1 p.p.m.</td>
<td></td>
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<tr>
<td>Heavy Metals</td>
<td>&lt; 10 p.p.m.</td>
<td></td>
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<tr>
<td>Insolubles</td>
<td>&lt; 0.1%</td>
<td></td>
</tr>
<tr>
<td>Moisture</td>
<td>0.3%</td>
<td>max 0.5%</td>
</tr>
</tbody>
</table>

Physical appearance
Granulometry
By-needle
Hydrophilicity
Meling point
Solubility

PC 0 10 20 30 40 50 60
T$^\circ$C 50 77 102

$g/1000g$ 140 180 210 250 340 420 490

Soil index 8.4 (= 0.097 per unit plant nutrient)

MKP is produced by the Nitral company (Israel Chemicals Ltd) based on abundant natural resources of phosphates extracted from the Dead Sea.

MKP is the result of new processes developed at the company's research and development laboratories, enabling a high quality, efficient production of MKP using a range of raw materials (instead of highly processed technical grade phosphoric acid and potassium hydroxide), while also meeting the highest standards of safety and quality.

A dramatic innovation results in the visible use today of MKP in many applications where it was not economically feasible before, despite of its obvious mineral and agronomic advantages.

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R=93%