

DECACHEM DOO, Novi Sad, Serbia

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[Http://www.decachem.com](http://www.decachem.com)



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| QUALITY SPECIFICATION | |
|---|--------|
| POTASSIUM CARBONATE K₂CO₃ | |
| CAS 584-08-7 | |
| Customs commodity code 2836400000 | |
| Chemical parameters & Physical properties | |
| K ₂ CO ₃ mass content, %, minimum | 99,0 |
| Sodium mass content (as Na ₂ CO ₃), %, maximum | 0,3 |
| Chloride mass content (as Cl ⁻), %, maximum | 0,015 |
| Sulphate mass content (as SO ₄ ²⁻), %, maximum | 0,1 |
| Iron mass content (as Fe ₂ O ₃), %, maximum | 0,001 |
| Aluminium mass content (as Al ₂ O ₃), %, maximum | 0,08 |
| Chromium mass content (as Cr ₂ O ₃), %, maximum | 0,0005 |
| Insoluble residue mass content, %, maximum | 0,015 |
| Insoluble residue mass content of K ₂ O, % | 0,02 |
| Loss on ignition mass content (at t 500 ⁰ C), %, maximum | 1 |

MESH SIZE

| Granulometry, %: | Текст |
|-------------------------|------------|
| Particle size - 0,16 mm | no more 12 |
| Particle size + 1,25 mm | no more 6 |
| Particle size + 1,6 mm | no more 4 |

HEAVY METAL ANALYSIS

| | |
|-----------|------|
| Pb, mg/kg | <2 |
| Cd, mg/kg | <0,1 |
| Hg, mg/kg | <0,1 |
| As, mg/kg | <5,0 |

| | |
|--|---|
| KOH | 0,2 |
| Mass part of main substance in re-calculation on K ₂ O, % | 67,4 (if meaning of K ₂ CO ₃ 99,5%) |

1. The norm of items 1-8 are data from calculation on ignited substances (the sample in being ignited with temperature 500 – 520⁰C till the substance become constant).
2. For the determination of insoluble residue mass content 10-20 gm of potassium carbonate is being dissolving in 200-300 sm³ of water which is brought to boil (100⁰C), then is being boiled till the complete decomposition. The settled solution to be filter and wash in water which is boiled till the occulation of alkaline reaction. The remainder with filter is being ignited with temperature 800 – 850⁰C till the substance become constant.

Appearance: crystals of white colour.

Packing: polypropylene bags of 25 kg or big bags of 1000 kg (+/-5%)

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QUANTITIES PER CONTAINER

| PACKAGE | 40' NOR | 20' FCL |
|----------------------------------|-------------|---------|
| 25 kg bags without pallets | up to 24 MT | 20 MT |
| 25 kg bags on pallets | 21 MT | 16 MT* |
| 1000 kg big bags without pallets | 21 MT | 18 MT |
| 1000 kg big bags on pallets | 21 MT* | 8 MT |

* - The weight is stated for 2 layers, both are palletized.

Upper pallets may damage first layer bags during transportation and unloading, so we do not recommend to use such type of loading. We bear no responsibility for any damages.