

Yuanlian Chemical

Tetrasodium Iminodisuccinate (IDS-Na 4)

IDS, Na 4 salt - SUPPLIED IN LIQUOR OR SOLID FORMS:

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| Product Name | IDS 100/34% | IDS solid |
| Delivery Form | solution | solid |
| Appearance | colorless to orange | white powder |
| Odor | very low | no odor |
| Color no.[Hazen] | < 300 | --- |
| pH value 10% solution | approx. 11.0 | approx. 11.0 |
| density at 20°C [g/ ml] | < 1.34 | --- |
| Bulk density [kg/Liter] | --- | 0.5 – 0.7 |
| Viscosity 20°C [mPa*s] | < 50 | --- |
| Freezing point [°C] | < 5 | --- |
| Solubility in water at 20°C [g/ 100g H ₂ O] | soluble in any ratio | 56 |
| Solubility in glycol at 20°C [g/100g glycol] | soluble in any ratio | very low |
| Ammonia [ppm] | < 70 | --- |
| COD (DIN H 41) [mg O ₂ /g] | approx. 225 | approx. 480 |
| BoD 7 [mg O ₂ /g] | > 120 | > 260 |

IDS, Na 4 salt - CONSTITUENTS:

| | | |
|--|-------------|-----------|
| Productname | IDS 100/34% | IDS solid |
| Iminodisuccinic acid, Na ₄ salt [% w/w] | > 33.0 | > 77.0 |
| Aspartic acid, Na ₂ salt [% w/w] | < 7.0 | < 13.0 |
| Fumaric acid, Na ₂ salt [% w/w] | < 2.5 | < 6.0 |
| Hydroxysuccinic acid, Na ₂ salt [% w/w] | < 0.5 | < 1.5 |
| Maleic acid, Na ₂ salt [% w/w] | < 0.3 | < 1.5 |
| Total sodium salts [% w/w] | > 41.0 | > 94.0 |
| Water [% w/w] | < 59.0 | < 6.0 |