



BdV Behrens GmbH

CERTIFICATE OF ANALYSIS 63327

(as received from our supplier)

Product : Sodium Tripolyphosphate Technical Grade

Quantity : 29 mt net

Batch	341	392	393	394	435	433
Production date	15.09.2019	24.10.2019	24.10.2019	30.10.2019	09.12.2019	07.12.2019
Expiry date	15.09.2021	24.10.2021	24.10.2021	30.10.2021	09.12.2021	07.12.2021

Appearance: white loose powder

Parameter Description	Norms	341	392	393	394	435	433
Mass share of P ₂ O ₅ , %	57.0 min	57.7	57.7	57.7	57.7	57.7	57.7
Mass share of Na ₅ P ₃ O ₁₀ , %	94.0 min	94.9	95.1	95	94.7	95.2	94.7
Hydration speed:							
After 1 minute, °C	81-88	82	82	83	82	82	82
After 5 minutes, °C	84-95	86	86	91	88	90	89
H ₂ O (1 hour at 150°C), %	1.0 max	0.04	0.06	0.04	0.04	0.12	0.08
Mass share of 1 st form of STPP, %	20-30	26	24	25	27	24	25
Mass share of orthophosphate, %	2 max	2	2	2	2	2	2
Mass share of Fe, %	0.010 max	0.005	0.004	0.004	0.004	0.006	0.006
Mass share of water-insoluble substance, %	0.1 max	0.05	0.09	0.08	0.08	0.07	0.07
pH (1% aqueous solution)	9.2-10.3	10.02	10	10.01	9.98	9.95	10.03
Granulometry – residue on mesh:							
0.5 mm, %	0.5 max	0.05	0.05	0.2	0.02	0.09	0.02
0.25 mm, %	3.0 max	0.7	1.4	0.5	0.3	0.9	1.3
0.071 mm, %	50 max	28	48.2	22	23	29.7	30.5
Bulk density, g/dm ³	600-800	800	800	800	800	800	800
Mass share of As, %	0.008 max	0.005	0.005	0.004	0.005	0.004	0.005