

Certificate of Analysis : 10.18.24S+0.1B

EC Fertilizer – NPK fertilizer low in chloride (S) 10.18.24 with Boron

Grade : 10+18+24 SOP Spud
 Product code : 10.18.24S-41
 Production period : August 2018, batch n° 602112
 Site of Production : ROSIER S.A.

Parameters	Specifications (% w/w)	Minimum acc. to EC Reg. (% w/w)	ROSIER Analysis (% w/w)
Total nitrogen (N)	10.0	8.9 *	10.9
Ammoniacal nitrogen (N)	8.1	7.1	9.1
Nitric nitrogen (N)	1.9	0.9	1.8
Phosphorus pentoxide (P ₂ O ₅) soluble in neutral ammonium citrate and water	18.0	16.9 *	18.3
Phosphorus pentoxide (P ₂ O ₅) soluble in water	14.5	12.7	17.4
Potassium oxide (K ₂ O) soluble in water, low in chloride	24.0	22.9 *	23.2
Sulphur trioxide (SO ₃) total	20.5	19.6	28.4
Sulphur trioxide (SO ₃) soluble in water	20.0	19.1	28.3
Boron (B) soluble in water	0.1000	0.0800	0.1138

* Total negative deviations from the declared value of primary nutrients N, P₂O₅ and K₂O must be below 1.9

Parameters	Specifications	ROSIER Analysis
Arsenic (As) total (ppm)	< 15	4.6
Cadmium (Cd) total (mg Cd/kg P)	< 50	< 15
Chromium (Cr) total (ppm)	< 120	< 10
Mercury (Hg) total (ppm)	< 1	n.a.
Nickel (Ni) total (ppm)	< 40	< 5
Lead (Pb) total (ppm)	< 15	< 2

n.a. : not analyzed

Parameters	ROSIER Analysis
Humidity (H ₂ O) (%)	0.77
pH 10% (w/w)	6.45
Chloride (Cl) (%)	0.30

Parameters	ROSIER Analysis
Hardness (kgF)	10 - 12
Tapped density (t/m ³)	1.24
Bulk density (t/m ³)	1.15

<u>Particle size distribution</u>	<u>ROSIER Analysis</u>
> 5 mm (%)	1.1
4 – 5 mm (%)	27.3
3.15 – 4 mm (%)	64.3
2.5 – 3.15 mm (%)	7.1
2 – 2.5 mm (%)	0.1
1.6 – 2 mm (%)	0.1
< 1.6 mm (%)	0.0
D50 (mm)	3.72

Tolerance

Regulation (EC) N°2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilisers (OJ-L304/1).

10/07/2019 – ROSIER SA – LABORATORY

