

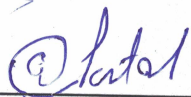
CERTIFICATE OF ANALYSIS

Name of Product	DOSHION CSA -121 Na⁺			
Date of Release	29/08/18			
Total Qty (Liters)	5000			
Type of Packing	P. E. BAG.			
Date of analysis				
Batch No.		28/08/18	28/08/18	29/08/18
Qty (Liters)		R-241/18	R-242/18	R-243/18
		1900	1900	1200

Sr. No	PARAMETER	SPECIFICATION	RESULT		
1	Matrix	Cross linked Polystyrene Divinylbenzene	Cross linked Polystyrene Divinylbenzene		
2	Physical form	Hard moist beads	Hard moist beads		
3	Whole Beads Count	90 % Minimum	99	99	99
4	Functional Group	SO3 (Sulphonic)	SO3 (Sulphonic)		
5	Ionic Form, as shipped	Sodium	Sodium		
6	Total Exchange Capacity (meq/ml Na ⁺)	1.8 (Minimum)	2.024	2.042	2.024
7	% Swelling (Na ⁺ to H ⁺)	Maximum 12.0	8	8	8
8	% Moisture (Na ⁺)	46.0 to 50.0	46.8	46.0	46.6
9	Shipping Wt. (Approx.)	800 to 840 gm/lit.	833	835	833
10	Particle Size Range	0.3 mm - 1.2 mm	0.3 mm - 1.2 mm		
	1.20	99.0 % Minimum	1.4	NIL	NIL
	0.85		38.8	17.3	6.0
	0.60		45.8	21.4	40.0
	0.50		12.2	12.2	45.0
	0.42		0.8	51.0	7.0
	0.35		0.6	7.2	2.0
	0.30		0.2	2.6	NIL
	Fines (-0.30)	<1.0 %	0.2	0.5	NIL
11	Effective Size	0.45-0.60	0.60	0.50	0.52
12	Uniformity Co-efficient	1.70 Maximum	1.28	1.56	1.42
13	Operating temperature, Na form	120 °C Maximum	120 °C Maximum		
14	Operating pH range, Na form	0 to 14	0 to 14		

Remarks: The product conforms to above specification.

ANALYSIS BY :



APPROVED BY :

