



The Soap Kitchen
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Date : 28/05/2019
 Product : **Extra Light Magnesium Carbonate**
 Customer : DA CHEMICALS GROUP LIMITED
 Order N° : 310419/19
 Quantity (T) : 6,0
 Restriction : *Not suitable as API and/or Excipient for pharmaceutical production for human and veterinary drugs*

CERTIFICATE OF ANALYSES

Batch number	H0602E9	H0702E9	H0802E9	H0902E9	H0103E9	H0203E9	H0303E9	H0504E9	H0604E9	H0205E9
Weight (kg)	600	600	600	600	600	600	600	600	600	600
Manufacturing Date	02-mai-19	02-mai-19	02-mai-19	02-mai-19	03-mai-19	03-mai-19	03-mai-19	04-mai-19	04-mai-19	05-mai-19
Expiry Date	02-mai-21	02-mai-21	02-mai-21	02-mai-21	03-mai-21	03-mai-21	03-mai-21	04-mai-21	04-mai-21	05-mai-21
Chemical analysis	Limits									
Magnesium Identification	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
Carbonate Identification	positive	positive	positive	positive	positive	positive	positive	positive	positive	positive
MgO on dried product (%)	≥ 40,0 and ≤ 45,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0	43,0
Insoluble in acetic acid (%)	≤ 0,05	0,01	0,01	0,01	0,02	0,02	0,02	0,02	0,02	0,03
Soluble in water (%)	≤ 1,00	< 1,00	< 1,00	< 1,00	< 1,00	< 1,00	< 1,00	< 1,00	< 1,00	< 1,00
Chlorides Cl (ppm)	≤ 700	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300
SO ₄ (%)	≤ 0,30	< 0,30	< 0,30	< 0,30	< 0,30	< 0,30	< 0,30	< 0,30	< 0,30	< 0,30
Acetic solution appearance	No more coloured than B4	B7	B7	B7	B7	B7	B7	B7	B7	B7
As (ppm)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Calcium as CaO (%)	≤ 1,05	0,14	0,14	0,14	0,15	0,15	0,15	0,15	0,15	0,16
Iron as Fe ₂ O ₃ (%)	≤ 0,057	0,001	0,001	0,001	0,001	0,001	0,001	0,001	0,001	0,002
Loss on drying (%)	< 3,0	2,8	2,9	2,8	2,8	2,4	2,5	2,8	2,9	2,3
Physical analysis	Limits									
Loss on calcination (%)	≥ 55,0 and ≤ 60,0	57,7	57,7	57,7	57,7	57,7	57,7	57,7	57,7	57,7
Apparent density	≤ 0,15	0,09	0,09	0,09	0,10	0,10	0,10	0,10	0,09	0,09
Residue on 45µm sieve (%)	< 3,00	0,35	0,35	0,35	0,50	0,50	0,50	0,50	0,55	0,60

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Approved by QA