

Product Overview

For Antacids, Digestive Aids and Mineral Supplements

Making a difference to your product formulations

www.spipharma.com



Naturally Sourced Minerals

In the United States many of our Magnesium Hydroxide based products originate from the Delaware Bay. This location was chosen due to the excellent quality and salinity of the seawater.



Ingredients for Antacids and Digestive Aid

Ingredients that save you time and money and provide excellent mouthfeel for your suspensions

SUSPENSIONS

	Commercial Name	Type	Assay*	Viscosity and settling characteristics upon dilution	PSD D50 (µm)*	API for		Typical Label Claim
						Antacids	Digestive Aid	
MAGNESIUM COMPOUNDS								
Magnesium Hydroxide	Flogel	Pumpable Gel	30% Mg(OH) ₂	Low viscosity upon dilution with supernatant	5	•	♦	Regular and Extra strengths 200 mg and more Mg(OH) ₂ per 5 ml
	Type M	Paste	30% Mg(OH) ₂	High viscosity upon dilution no supernatant	5	•	♦	Regular and extra strengths Ideal for Laxative suspension
	5200 RMP	Resuspendible Powder	NLT 95% Mg(OH) ₂	High viscosity upon dilution no supernatant	35	•	♦	Regular and extra strengths high shear mixer to disperse powder Ideal for Laxative suspension
ALUMINUM COMPOUNDS								
Aluminum Hydroxide	LV13	Pumpable Gel	13% Al ₂ O ₃	Low viscosity upon dilution with supernatant	5	•		Regular and Extra strengths 200 mg and more Dried Al. Hyd. USP per 5 ml
	Hyper 12	Pumpable Gel	12% Al ₂ O ₃	Low viscosity upon dilution with supernatant	5	•		Regular and Extra strengths 200 mg and more Dried Al. Hyd. USP per 5 ml
	Visco 9	Paste	NLT 9% Al ₂ O ₃	High viscosity upon dilution no supernatant	5	•		Regular Strength 200 mg Dried Al. Hyd. USP per 5 ml
	0200 USP / 0201 EP	Powder	NLT 50% Al ₂ O ₃	Low viscosity upon dilution with supernatant	12	•		Regular; Extra strengths smaller unidose packaging (3 to 4 ml)
Boehmite	NLP14	Pumpable Gel	15% Al ₂ O ₃	Medium viscosity upon dilution with slight supernatant	-	•		
Aluminum Phosphate	520 Gel	Pumpable Gel	20% AlPO ₄	Low viscosity upon dilution with supernatant	-	•		
ALUMINUM / MAGNESIUM COMPOUNDS								
Magaldrate	Magaldrate Gel 10%	Pumpable Gel	10% Magaldrate	Medium viscosity upon dilution with supernatant	5	•		Regular strength 800 mg per 10 ml
	Magaldrate Gel 20%	Pumpable Gel	20% Magaldrate	Medium viscosity upon dilution with supernatant	5	•		Regular and extra strengths 800 mg and more per 10 ml
	7000 USP / 7001 EP	Powder	NLT 90% Magaldrate	Low viscosity upon dilution with supernatant	40	•		Regular and extra strengths 800 mg and more per 10 ml
Al Hyd / Mg Carbonate	AHMC 0611	Powder	42% Al ₂ O ₃ 8% MgO	Low viscosity upon dilution with supernatant	micronized	•		
PREFORMULATED COMPOUNDS								
Coblends (Al Hyd and Mg Hyd preformulated with sorbitol and parabens)	AMS138	Pumpable Gel	9% Al(OH) ₃ 11.8% Mg(OH) ₂	Low viscosity upon dilution with supernatant	5	•		400 mg Dried Al. Hyd. USP per 10 ml 400 mg Mg(OH) ₂ per 10 ml
	AMS106	Pumpable Gel	10% Al(OH) ₃ 10% Mg(OH) ₂	Low viscosity upon dilution with supernatant	5	•		400 mg Al(OH) ₃ per 10 ml 400 mg Mg(OH) ₂ per 10 ml
	AMS123	Pumpable Gel	12% Al(OH) ₃ 14% Mg(OH) ₂	Low viscosity upon dilution with supernatant	5	•		450 mg Dried Al. Hyd. USP per 10 ml 400 mg Mg(OH) ₂ per 10 ml

* Assay; Tapped Density and PSD D50 (µm) are not specifications but typical values and range for our products

Ingredients for Antacids and Digestive Aid

Our DC ingredients flow as smooth as milk allowing you to make either chewable tablets with excellent mouthfeel or easy to swallow tablets.

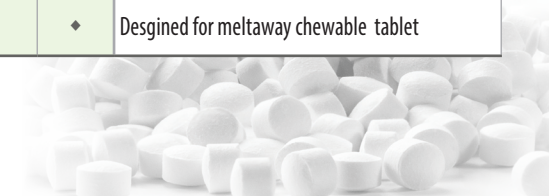
SOLID DOSAGE FORMS

	Commercial Name	Type	Assay*	Added Excipients	Tapped Density*	PSD D50 (µm)*	API for		Process		Forms		Additional information
							Antacids	Digestive Aid	Wet Granulation	Direct Compression	Chewable Tablet	Instant Powder†	
MAGNESIUM COMPOUNDS													
Magnesium Hydroxide	5300 USP/ 5301 EP	Powder	NLT 95% Mg(OH) ₂	-	0.6 - 0.9	35	•	•	■		♦		
	5100	Powder	NLT 95% Mg(OH) ₂	-	0.6 - 0.9	35	•	•	■		♦		Low Lead
Magnesium Hydroxide (Pre-formulated)	MS90	DC Powder	95% Mg(OH) ₂	Starch	0.8	150 - 170	•	•		■	♦	♦	Can be easily combined with CS90
SIMETHICONE													
					Tapped Density*								
Simethicone †	DC SIM 100	DC Powder	60 - 70% Simethicone	-	-	50		•		■	♦	♦	Can be combined with AHMH3535; CS90; MS90; CM90 and Vitasmooth for anti-flatulent properties
ALUMINUM COMPOUNDS													
					Tapped Density*								
Aluminum Hydroxide	0200 USP / 0201 EP	Powder	NLT 50% Al ₂ O ₃	-	0.16 - 0.25	12	•		■		♦		
Aluminum Hydroxide (Pre-formulated)	Cremalin 0501	Powder	40% Al ₂ O ₃	Sorbitol	Hand Tapped 0.3 - 0.6	-	•		■	■	♦	♦	
ALUMINUM / MAGNESIUM COMPOUNDS													
					Apparent Density*								
Magaldrate	7000 USP / 7001 EP	Powder	NLT 90% Magaldrate	-	0.3 - 0.4	40	•		■		♦		
Al Hyd / Mg Carbonate	AHMC 0611	Powder	42% Al ₂ O ₃ 8% MgO	-	NMT 0.2	micronized	•		■		♦		
	AHMC 0600	Powder	42% Al ₂ O ₃ 8% MgO	-	0.3 - 0.4	-	•		■		♦		
PRE-FORMULATED COMPOUNDS													
					Tapped Density*								
Co-Dried Powders (Al Hyd / Mg Hyd)	AHMH 3535	DC Powder	35% Al Hyd dried gel USP 35% Mg(OH) ₂	Sorbitol, Mannitol, Sucrose, Sodium Saccharin	NLT 0.6	100 - 120	•			■	♦	♦	400 mg Dried Al. Hyd. USP per tablet (or multiple) 400 mg Mg(OH) ₂ per tablet (or multiple)
Calcium Carbonate	CS90	DC Powder	90% CaCO ₃	Starch	0.85	150 - 175	•			■	♦	♦	Can be easily combined with MS90
	CM90	DC Powder	91% CaCO ₃	Maltodextrin	1.5	490 - 500	•			■	♦	♦	
	Vitasmooth	DC Powder	58% CaCO ₃	Dextrose, Sucrose, MCC, Maltodextrin	0.8	150	•			■	♦	♦	Designed for meltaway chewable tablet

* Assay; Tapped Density and PSD D50 (µm) are not specifications but typical values and range for our products

† Currently available in MEA, LATAM and ASPAC regions

‡ Instant Powder: Take directly or pre-disperse in water



Directly Compressible Preformulated Mineral Ingredients for Supplements SOLID DOSAGE FORMS

Our DC ingredients flow as smooth as milk allowing you to make either chewable tablets with excellent mouthfeel or easy to swallow tablets.

	Commercial Name	Type	Assay*	Added Excipients	Tapped Density*	PSD D50 (µm)*	Use As		Forms				Additional Information
							Mineral Source	Excipient	Chewable Tablet	Swallow Tablet	Instant Powder ‡	Effervescent Tablet	
MAGNESIUM COMPOUNDS													
Magnesium Hydroxide	MS90	DC Powder	95% Mg(OH) ₂	Starch	0.8	150 - 170	•	•	▪	▪	▪	▪	Can be easily combined with CS90
CALCIUM CARBONATE COMPOUNDS													
Calcium Carbonate	CS90	DC Powder	90% CaCO ₃	Starch	0.85	150 - 175	•	•	▪	▪	▪	▪	Can be easily combined with MS90
	CM90	DC Powder	91% CaCO ₃	Maltodextrin	1.5	490 - 500	•	•	▪	▪	▪	▪	High density and compressibility Ideal for Swallow Tablets
	Vitasmooth	DC Powder	58% CaCO ₃	Dextrose, Sucrose, MCC, Maltodextrin	0.8	150	•		▪		▪		Designed for meltaway chewable tablet
SIMETHICONE													
Simethicone †	DC SIM 100	DC Powder	60 - 70% Simethicone	-	-	50		•				▪	Anti-foaming agent for effervescent forms

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‡ Instant Powder: Take directly or pre-disperse in water



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