Carrier and Free-Flow

SILICA FOR FOOD ADDITIVES

This product has properties such as good fluidity, high porosity, and strong adsorption. It is used in the food industry as carrier for its thickening, anti-caking, and anti-mildew functions. This product is suitable for the mechanized and automated production process in the food industry, and it can also be applied to improve food variety and taste.

JS-96mp micro pearl

Test Methods	Properties	Units	Target Values (Spec Limits)	Actual Values
GB25576-2010	Loss on drying (2Hrs,105℃) 加热减量	%	Max.6.5	4.85
GB25576-2010	Ignition loss 1000℃ 灼烧减量	%	Max.8.5	4.18
GB25576-2010	SiO_2 (Dry Basis) 二氧化硅(干基)	%	Min.96	97.4
GB25576-2010	Pb content 铅含量	mg/kg	Max.5	0.65
GB25576-2010	Heavy metal content (Pb) 重金属(以 Pb 计)	mg/kg	Max.30	< 30
GB25576-2010	As content 砷含量	mg/kg	Max.3	0.11
GB/T13082	Gd content 镉含量	mg/kg	Max.0.5	0.01
GB25576-2010	Soluble salt 可溶性盐	%	Max.4.0	0.45
ANA0320	Ro-Tap Sieve Residue, 80 目筛余物 >180μm	%	≥70.0	79.5
	Ro-Tap Sieve Residue, 100 目筛余物 >150μm	%	≥80.0	89.8
HG/T3072-2008	DBP absorption value DBP 吸收值	$cm^3/100g$	200-350	260

■ SILICA FOR FEED ADDITIVES

■ This product is a favorable carrier for feed additives. It is used to convert liquid animal feed ingredients and additives into free-flowing dry powder and premixes. Using silica carrier ensures the high loading of animal feed ingredients and additives as well as the loading consistency. Feed manufacturers will also be able to benefit from the more efficient mixing and processing in production as a result of the silica carrier use.

JS-95 Silica for feed additives

Test Methods	Properties	Units	Target Values (Spec Limits)	Actual Values
GB25576-2010	Loss on drying (2Hrs,105℃) 加热减量	%	Max.6.5	5.85
GB25576-2010	Ignition loss 1000℃ 灼烧减量	%	Max.8.5	4.25
GB25576-2010	SiO_2 (Dry Basis) 二氧化硅(干基)	%	Min.96	97.9
GB25576-2010	Pb content 铅含量	mg/kg	Max.5	1.02
GB25576-2010	Heavy metal content (Pb) 重金属(以 Pb 计)	mg/kg	Max.30	＜30
GB25576-2010	As content 砷含量	mg/kg	Max.3	0.82
GB/T13082	Gd content 镉含量	mg/kg	Max.0.5	0.01
GB25576-2010	Soluble salt 可溶性盐	%	Max.4.0	0.85
	Average particle size 平均粒径	μ m	-	13-14
HG/T3064-2008	45μm sieve residue	%	Max.0.5	＜0.1

SILICA FOR AGRICULTURAL AND INDUSTRIAL CHEMICALS

This product has high transparency, high oil absorption, and high dispersion. It is used as carrier or diluent/disintegrant in agrochemical products such as pesticides and high-efficiency spraying fertilizers. Water dispersible granules using silica as disintegrant will have greater suspension rate and long-lasting effect, because the ultra-high surface area of silica possesses properties of high absorption force, easy suspension, good affinity, and chemical stability.

JS-260 Super fine powder

Test Methods	Properties	Units	Target Values (Spec Limits)	Actual Values
HG/T3065-2008	Loss on drying (2Hrs,105℃)加热减量	%	Max.6.0	5.68
HG/T3066-2008	Ignition loss 1000℃ 灼烧减量	%	Max.7.0	3.85
HG/T3072-2008	DBP absorption value DBP 吸收值	$cm^3/100$ g	300-350	319
HG/T3067-2008	pH value (10%aqueous suspension) pH 值	—	6.0-8.0	6.92
HG/T3062-2008	SiO_2 (Dry Basis) 二氧化硅(干基)	%	Min.96	98.4
HG/T3073-1999	BET specific surface area BET 比表面积	m^2/g	230-280	282
	Bulk density 堆积密度	g/lit	20-60	39
	Avg particle size 粒径	μm	-	8.10
	Soluble salt (Na_2SO_4) 可溶性盐	%	Max.1.5	0.48