

MIXER TESTING CALCULATIONS

Limestone & Plastic Pellets, SEPTEMBER 11, 2002
by A & J Mixing Single Rotor of 95109

30 Second Test

SAMPLE	UNITS:						GRAMS	
	GROSS	TARE	NET SAMPLE	SCREEN SAMPLE	SCREEN NET	% OF NET SAMPLE	DIFF OF MEAN	SQARED DIFF
1	540	74	466	139	65	13.94849785	-0.2865473	0.082109355
2	548	74	474	139	65	13.71308017	-0.521964986	0.272447446
3	619	74	545	156	82	15.04587156	0.810826405	0.657439459
4	625	74	551	157	83	15.06352087	0.828475717	0.686372013
5	544	74	470	137	63	13.40425532	-0.830789835	0.690211751

MEAN = 14.23504515 STD DEVIATION = 0.772751581
CV = 5.428515138

60 Second Test

SAMPLE	UNITS:						GRAMS	
	GROSS	TARE	NET SAMPLE	SCREEN SAMPLE	SCREEN NET	% OF NET SAMPLE	DIFF OF MEAN	SQARED DIFF
1	532	74	458	141	67	14.62882096	0.393775806	0.155059386
2	476	74	402	130	56	13.93034826	-0.304696896	0.092840198
3	634	74	560	152	78	13.92857143	-0.306473726	0.093926145
4	617	74	543	154	80	14.73296501	0.497919855	0.247924182
5	594	74	520	144	70	13.46153846	-0.773506693	0.598312604

MEAN = 14.13644882 STD DEVIATION = 0.544991402
CV = 3.855221415

Discharge vessel test

SAMPLE	UNITS:						GRAMS	
	GROSS	TARE	NET SAMPLE	SCREEN SAMPLE	SCREEN NET	% OF NET SAMPLE	DIFF OF MEAN	SQARED DIFF
1	588	74	514	151	77	14.98054475	0.745499593	0.555769642
2	598	74	524	152	78	14.88549618	0.650451029	0.423086541
3	602	74	528	151	77	14.58333333	0.348288179	0.121304655
4	590	74	516	153	79	15.31007752	1.075032365	1.155694585
5	640	74	566	159	85	15.01766784	0.78262269	0.612498275

MEAN = 14.95542393 STD DEVIATION = 0.846810737
CV = 5.662231585

Amperare: Full 6.0 Used 2.0, 2.0, 2.6
Batch 2.7 cu. ft. 220 lbs.

Comments: Looked very good. There were just a few white lumps that broke on touch. The material does not segregate by roll apart or elutriation. All samples taken 4 corners and middle.

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Call US/Can 1-800-668-3470 or 1-905-827-7288, Fax: 1-905-827-5045 Web site: www.ajmixing.com