

COFFEE GRIND CLASSIFICATION CHART QAQC LAB www.qclabequipment.com (866) 244-1578

ORIGINAL CBC SPECIFICATIONS										
GRIND	OTHER NAMES	E.P.	REGULAR	ADC	DRIP	FINE	VENDING	EUROPEAN		
								COARSE	MEDIUM	FINE
		Regular	Um	Autodrip Silex	All-Purpose Universal	Silex Food Service	Single Cup Vend	NS	NS	Espresso
CONVERSION CHART		ASTM #12 =TYLER #10 =1.70mm	ASTM #16 =TYLER #14 =1.18mm	ASTM #20 =TYLER #20 =.850mm	ASTM #30 =TYLER #28 =.600mm	ASTM #40 =TYLER #35 =.425mm	ASTM #50 =TYLER #48 =.300mm			
MESH SIZES		AMOUNT RETAINED PER SIEVE								
TYLER	ASTM									
No (s) 10/14 Sieves	ASTM No(s) 12/16 Sieves	NS	33%	NS	7%	0%	NS	NS	NS	NS
No (s) 20/28 Sieves	ASTM No(s) 20/30 Sieves	NS	55%	NS	73%	70%	NS	NS	NS	NS
Pan	Pan	NS	12%	NS	20%	30%	NS	NS	NS	NS
Particle size (u)*	Particle size (u)*	NS	1020	NS	840	720	NS	NS	NS	NS
Avg. Sieve Mesh (Opening)	Avg. Sieve Mesh (Opening)	NS	16 (0.0390")	NS	20 (0.300")	24 (0.278")	NS	NS	NS	NS
Avg. Particle Dia. (cells) +	Avg. Particle Dia. (cells) +	NS	26	NS	21	18	NS	NS	NS	NS
Avg. Particle per gram	Avg. Particle per gram	NS	1200	NS	2200	3500	NS	NS	NS	NS
Exposed Granule Area (CM2)	Exposed Granule Area (CM2)	NS	46	NS	57	67	NS	NS	NS	NS
NORTH AMERICAN INDUSTRY NORMS										
GRIND	OTHER NAMES	E.P.	REGULAR	ADC	DRIP	FINE	VENDING	EUROPEAN		
								COARSE	MEDIUM	FINE
		Regular	Um	Autodrip Silex	All-Purpose Universal	Silex Food Service	Single Cup Vend	NS	NS	Espresso
CONVERSION CHART		ASTM #12 =TYLER #10 =1.70mm	ASTM #16 =TYLER #14 =1.18mm	ASTM #20 =TYLER #20 =.850mm	ASTM #30 =TYLER #28 =.600mm	ASTM #40 =TYLER #35 =.425mm	ASTM #50 =TYLER #48 =.300mm			
MESH SIZES		AMOUNT RETAINED PER SIEVE								
TYLER	ASTM									
No (s) 10/14 Sieves	ASTM No(s) 12/16 Sieves	35%	27%	17%	8%	2%	NS	NS	NS	NS
No (s) 20/28 Sieves	ASTM No(s) 20/30 Sieves	42%	60%	65%	65%	62%	10%	NS	NS	NS
No. 35 Sieves	ASTM No(s) 40 Sieve	N/A	N/A	N/A	N/A	N/A	35%	N/A	50%	65%
No. 48 Sieves	ASTM No(s) 50 Sieve	N/A	N/A	N/A	N/A	N/A	35%	N/A		
Pan	Pan	13%	13%	18%	27%	36%	20%	52%	20%	32%
Particle size (u)*	Particle size (u)*	1050	925	825	775	645	400	600	480	360
Avg. Sieve Mesh (Opening)	Avg. Sieve Mesh (Opening)	16 (0.0390")	18 (0.278")	20 (0.0328")	22 (0.0300")	26 (0.0242")	40 (0.0165")	28 (0.0232")	32 (0.0195")	42 (0.0138")
Avg. Particle Dia. (cells) +	Avg. Particle Dia. (cells) +	26	23	21	19	16	10	15	12	9
Avg. Particle per gram	Avg. Particle per gram	1,100	1,600	2,300	2,800	4,800	20,000	NS	12,000	28,000
Exposed Granule Area (CM2)	Exposed Granule Area (CM2)	45	50	58	62	74	118	80	102	134
SOURCES: Modern Processing Equipment Chicago Ill. ASTM E-11										