

Fertilizer, Sewage, Sewage Cake

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Fertilizer	2.5 – 12	90	125	8-11	
Fertilizer	3-8	80-90	125	6	
Sewage Filter Cake	84-89	120	125	20-25	
Sewage Filter Cake	66.5-68.9	120	125	10-12	

Fiber, Rope, Yarn

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Fiber, Laminated	4-7	*	*	5	
Rope	8.7-9.8	70	125	Not given	Fiber cut in ½ inch lengths
Yarn, Mop	*	*	125	5	More work required, sample cut ¼ x 2 inch strips

Food and Food Products, Tobacco

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Cake Mix Prepared	3.4 – 4.8	120	250	4-6	
Carrots	*	110	125	3-4 hours	Should experiment with 250w bulb
Chicken Broth	90-99	120	250	30	
Coffee, Soluble	15	90	125	8	
Coffee Soluable	2.6	120	125	7	
Cookies	*	120	125	4-6	Crush sample with spatula
Cookies, Oatmeal	3-7	120	125	4-6	
Corn Meal	14-15	120	125	8-10	
Corn Grits	4-10.8	90	125	6-12	
Crackers	3-7	120	125	4-6	
Egg Albumin	4-14	120	125	10	
Egg Albumin Powered	6-14	120	125	10	
Eggs Powered	2-4	85	125	9	
Flour, Oat	7-10	120	125	13	Passed through 40 mesh sieve

Flour - pretzels	*	110	125	10	
Hops	5	120	85	8	
Lemon Powder	1.6	20	125	10	
Lettuce, Shredded	80-98	120	125	10	
Malt, Brewing	4-10.8	120	125	6-12	
Malt, Brewing, Distillers	3.6-6.3	120	125	12-16	
Malt Green	50-55	90	125	10	
Malt – for pretzels	*	90	125	10	
Mushrooms, field	89.8	120	125	15	
Potatoes	68-73	110	125	3-4 hours	Should use 250 w lamp
Potatoes, Mashed	32-42	75	125	15	
Pretzels	*	110	125	7	
Raisins	13.8	90	125	24	
Rice	7.5-12	120	125	10	Results depend on sample preparation
Soup, Beef	*	120	125	15	
Spaghetti	8-10	80	125	4	
Starch, drying hygroscopically stabilized & with candy residue	4-15	100	125	5-8	
Starch, suspension	89-95	120	125	18	
Starch, Wheat	8-12	120	125	13	Passed through 40 mush sieve
Sugar, Pulp, Beet Dry	5-15	90	125	10-16	
Sugar, Pulp Wet	86	*	*	*	No information given except satisfactory
Tobacco	7-18	80	125	15	
Wafers, Vanilla	3-7	120	125	Not given	Sample was crushed with spatula
Walnuts (meats)	2.9-4.3	*	*	*	No information given except satisfactory
Wheat	12-16	110	125	11	Sample powered disposable pan used
Wheat shorts, middlings	11-12	120	125	7-8	

Weiners, Frankfurters, Hot Dogs	45-60	120	250	15-20	
Yeast, Fleishman's	68-71	90	250	14-18	Sample crumbled, placed on pan, 4m ethyl alcohol added before heating
Yeast	89	85	125	15	Disposable pan used

Forest Products

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Wood Flakes, Sawdust	4-6	120	250	5-15	
Wood slivers	4-6	120	250	5-15	
Wood Fibre	20	*	125	6	

Carbon Black, Charcoal, Coal

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Carbon Black	2-10	120	125	9	
Charcoal Activated	8	90	125	8	
Coal	2.6-12.2	120	125 or 250	3-9	
Coal	9	35	125	*	Oven method result 8.6
Coal bituminous	5-7	*	250	10	
Graphite Suspensions	40-50	95	250	15	

Cattle, Poultry Feeds, Seeds, Soybean and Soybean Products

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Alfalfa	*	70	250	6-7	Sample cut with scissors, placed on pan
Cotton Seed	11.2	120	125	12	
Flax Seed, Ground Expeller	9.6	120	125	10-12	
Flax Seed Ground	4.6-10.2	120	125	8-12	
Flax Seed	9.8	120	125	12	

Toasted					
Seed, Various Tomato, Celery	5-50	90	125	5-20	
Poultry Ration, Ground, Mixed	10.8	85	125	10.5	
Soybean, Ground Meal	9.3	120	125	7	
Soybean Cracked	9-11	120	125	7	
Soybean, Extracted and Ground	9.3	85	125	8	
Soybean Meal (Solvent Ext.)	*	105	125	9	
Soybean Flake	8-10	105	125	9	

Leather

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Leather	15-31.5	*	125	9-13	
Leather Ground Sole	10-14	70	125	15-17	
Leather Sole	11-55	100	125	10-18	

Meat, Meat Scraps, Meat Waste, Sausage, Ground Bone

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Meat Loaf	55-65	120	125	20-30	
Meat, Raw	60-75	80	125	33	Disposable Pan Used
Meat, Scraps	7-8	90	125	6-7	
Meat Waste	20-40	95	250	10	
Sausage	55-65	120	125	20-30	
Ground Bone	25-40	95	250	10	

Pigments, Paste, Crayon, Spar Shellac

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Paint Pigments	40-85	90	125	20-25	
Pigments	4	120	125	5-6	
Pigment Crayon	2-10	120	125	6	
Paste Solids, School	*	120	125	60	
Shellac, Spar	40	120	125	10	

Rubber Industry

Material	Moisture Range %	Autotransformer Setting	Infrared Lamp (w)	Drying Time (m)	Details
Clay, Basic	1.0	120	125	1	Used in Rubber Compounding
Fibers, Vulcanized	6	120	125	15	
Latex, Crude	0.2-14	75	125	5	Adaptable to samples above 4% moisture
Latex	49	*	*	10	
Rubber, Reclaimed	5-25	75-115	125	8	