

Clarence Heisey's Batch Book

On 3-16-55, Clarence Heisey (then president) had several formulas retyped and placed in a book. These included most of the colors Heisey had made since Emmet Olson had been the chemist. It may be that Clarence Heisey was anticipating the sale of the company in the future and had these compiled knowing they would be assets in the sale. The Heisey company was eventually sold to the Imperial Glass Corporation of Bellaire, Ohio, in late 1957.

Alexandrite

Sand	500#
Soda	170
Calcium Carbonate	54
Nitrate Soda.....	28
Borax	55
Neodymium Oxalate.....	46
Arsenic.....	3
Increase or decrease neodymium oxalate as needed.	
Cullet	1000#

Amber

Sand	974#
Soda	368
Nitrate Soda.....	10
Calcium Carbonate	50
Borax	50
Arsenic.....	3
Lead Monosilicate	176
Metallic Selenium.....	6
Metallic selenium increase or decrease as needed.	
Cullet	800#

Dawn

Sand	500#
Soda	188
Nitrate Soda.....	15
Calcium Carbonate	99
Borax	13
Feldspar.....	10
Powder Blue.....	6 oz.
Antimony Oxide.....	3#
Black Oxide Nickel.....	3½ oz.
Increase or decrease powder blue as needed.	
Cullet	1000#

Flamingo

Sand	700#
Soda	252
Calcium Carbonate	125
Sodium Arsenate.....	7½
Sodium Selenite.....	2½
Metallic Selenium	29 1/8 oz.
Increase or decrease metallic selenium as needed.	
Cullet	1000#

Lead

	3-16-55	4-12-55
Sand.....	436#	---
Soda.....	115	---
Potassium Carbonate.....	45	---
Nitrate Soda.....	20	---
Calcium Carbonate.....	116	---
Lead Monosilicate.....	50	---
Potassium Permanganate.....	1/2	3/4#
Arsenic.....	1/2	1/2#
Boras.....	1/2	1/2#
Neodymium Carbonate.....	1 oz.	1 oz.
Powder Blue.....	2/10 oz.	2/10 oz.
Green Nickel.....	1/100 oz.	none
Potassium Permanganate—Green Nickel—Powder Blue increase or decrease as needed		
Cullet.....	1000#	

Lime—Cup Glass

Sand.....	708#	708#
Soda.....	197	147
Potassium Carbonate.....	45	45
Nitrate of Soda.....	38	38
Calcium Carbonate.....	116	116
Neodymium Carbonate.....	1 oz.	1 oz.
Borax.....	1#	55#
Sodium Silicofluoride.....	1 1/2	1 1/2
Potassium Permanganate.....	1	1
Arsenic.....	1	1
Powder Blue.....	3/10 oz.	3/10 oz.
Potassium Permanganate increase or decrease as needed.		
Cullet.....	1000#	

Limelight

Sand.....	585#
Soda.....	180
Potassium Carbonate.....	27
Nitrate Soda.....	27
Calcium Carbonate.....	107
Borax.....	18
Arsenic.....	2
Powder Blue.....	2 24/100 oz.
Copper Scale.....	1 86/100 oz.
Green Oxide Chrome.....	3 94/100 oz.
Increase or decrease powder blue as needed.	
Cullet.....	1000#

Moongleam

Sand.....	900#
Soda.....	270
Potash.....	40
Calcium Carbonate.....	161
Nitrate Soda.....	40
Borax.....	23
Arsenic.....	3 1/2
Copper Scale.....	3 1/2 oz.
Green Oxide Chrome.....	5 8/100 oz.
Increase or decrease green oxide chrome as needed.	
Cullet.....	1000#

Sahara

Sand	620#
Soda	215
Calcium Carbonate	77
Nitrate Soda	28
Borax	6
Cerium Hydrate	31½
Titanium Oxide	12½
Arsenic	3
Increase or decrease cerium hydrate as needed.	
Cullet	1000#

Stiegel Blue

Sand	600#
Soda	152
Calcium Carbonate	22
Nitrate Soda	27
Arsenic	5
Black Oxide Copper	45 oz.
Powder Blue	19 oz.
Black Oxide Cobalt	19 oz.
Increase or decrease black oxide cobalt as needed.	
Cullet	1000#

Yellow Opal

Sand	500#
Soda	50
Nitrate Soda	11
Borax	78
Feldspar	132
Flurospar	45
Zinc Oxide	47
China Clay	12
Cryolite	25
Aluminum Hydrate	54
Cadmium Sulphide	10
Increase or decrease cadmium sulphide as needed.	
Cullet	1000#