

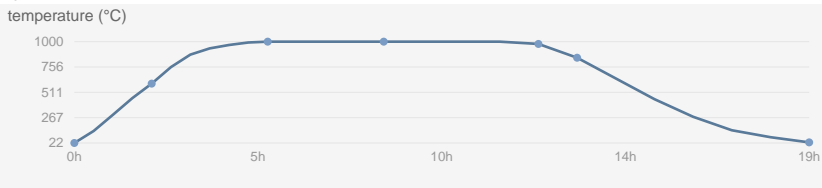
# HB-2025-004

exported from [elementalcolor.com](#) · export date: Jan 30, 2026  
January 14, 2025 · Falls Church, VA · han blue

## overview

zero time: Jan 14, 2025, 01:00 AM · duration: 20.0h · target: 150g

## synthesis



## charge

reagent	ratio	target	measured	error
BaCO3	1	59.19	59.18	-0.01
CuO	1	23.85	23.86	+0.01
SiO2	2	36.06	36.05	-0.01
Na2CO3	0.1	3.18	3.19	+0.01

milling: 50 min  
Repeat of HB-2025-003 parameters. Building inventory.

## events

- t+0.0h **Furnace loaded**  
Repeat production run
- t+2.0h **N2 purge initiated**  
Switched to nitrogen at 595°C
- t+5.0h **Target temperature reached**  
Stable at 1000°C
- t+8.0h **Mid-hold check**  
Good color development
- t+12.0h **Hold complete**  
Beginning cooldown
- t+13.0h **N2 purge ended**  
Returned to air at 845°C
- t+19.0h **Furnace opened**  
Good product, curing before grinding

Consistent with HB-2025-003. Curing for 2 weeks before grinding and QC.

## product

yield	118.5 g (97.1%)
expected	122.1 g
variance	-3.6 g

- notes
- Excellent blue color
  - Good uniformity
  - Curing before final processing
  - Will be available after QC complete

For informational purposes only. Batch data reflects recorded conditions and is not a guarantee of specifications.