

# HB-2025-004

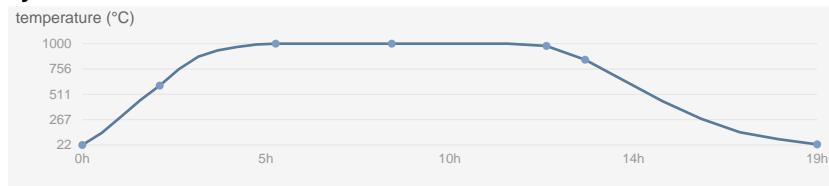
exported from [elementalcolor.com](https://elementalcolor.com) · export date: Jan 30, 2026

January 14, 2025 · Falls Church, VA · han blue

## overview

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

## synthesis



## 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

## charge

reagent	ratio	target	measured	error
BaCO <sub>3</sub>	1	59.19	59.18	-0.01
CuO	1	23.85	23.86	+0.01
SiO <sub>2</sub>	2	36.06	36.05	-0.01
Na <sub>2</sub> CO <sub>3</sub>	0.1	3.18	3.19	+0.01

millling: 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.

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

© 2026 elemental color, an exotic inorganics llc brand · [privacy](#) · [legal](#) · made with [love](#) in falls church