



## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2013-4313  
**Application:** Changes to technical grade active ingredient product chemistry –  
New source (site) same registrant  
**Product:** Arch Basic Copper Carbonate  
**Registration Number:** 30569  
**Active ingredients (a.i.):** Copper (present as basic copper carbonate)  
**PMRA Document Number :** 2454056

### Purpose of Application

The purpose of this application was to amend the product chemistry for Arch Basic Copper Carbonate (Registration Number 30569; guarantee 45.4% copper present as copper carbonate) to add a new manufacturing site.

### Chemistry Assessment

Common Name: Basic copper carbonate  
IUPAC Chemical Name: copper(II) carbonate hydroxide (2:1:2)  
CAS Chemical Name:  $[\mu\text{-}[\text{carbonato}(2-)\text{-}\kappa\text{O}:\kappa\text{O}]]\text{dihydroxydicopper}$

Arch Basic Copper Carbonate Technical has the following properties:

Property	Result
Colour and physical state	Light green paste
Nominal concentration	45.4%
Odour	Odourless
Bulk Density at 20°C	3.5-4.0 g/mL
pH	6-9 (1% aqueous solution)
Solubility in water	Wet dense grade: 0.36 mg/mL Dry light grade: 0.22 mg/mL

The chemistry requirements for Arch Basic Copper Carbonate Technical have been fulfilled.

### Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

## Conclusion

The PMRA has completed a review of available information for Arch Basic Copper Carbonate Technical and has determined that the information is sufficient to support the registration of the new manufacturing site.

## References

<b>PMRA Document Number</b>	<b>Reference</b>
2334397	2012, Alternate Manufacturing Process for BCC Technical, DACO: 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
2334398	2013, Basic Copper Carbonate Preliminary Analysis, DACO: 2.13, 2.13.1, 2.13.2, 2.13.3, 2.13.4
2334399	2013, Basic Copper Carbonate Preliminary Analysis, DACO: 2.13, 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
2334402	2013, Establish Certified Limits, DACO: 2.12.1

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