

Example 3.2

The preparation of Paediatric Chalk Mixture BP

You receive a prescription in your pharmacy with the following details:

Patient:	Miss Jane Peacock, 12a The Ridings, Astonbury
Age:	7
Prescription:	Chalk Mixture Paed
Directions:	10 ml qds
Mitte:	100 ml

1. Use of the product

Used to treat diarrhoea (*Martindale* 26th edn, p 131).

2. Is it safe and suitable for the intended purpose?

This is an official preparation, therefore the formula is safe and suitable for purpose. The dose of 10 ml four times a day is consistent with the recommended dosage of 10 ml (*Martindale* 26th edn, p 132) three to four times a day by convention.

3. Calculation of formula for preparation

Prepare 100 ml of Paediatric Chalk Mixture BP.

Product formula

(from the *British Pharmacopoeia* 1988, p 724)

	Master	100 ml
Chalk BP	20 g	2 g
Tragacanth BP	2 g	200 mg
Concentrated Cinnamon Water BP	4 ml	0.4 ml
Syrup BP	100 ml	10 ml
Double Strength Chloroform Water BP	500 ml	50 ml
Potable water	to 1000 ml	to 100 ml

Interim formula for Double Strength Chloroform Water

Concentrated Chloroform Water BPC 1959	2.5 ml
Potable water	to 50 ml

4. Method of preparation

a. Solubility where applicable

Not applicable as there are no soluble solids in the preparation.

b. Vehicle/diluent

Double Strength Chloroform Water BP and potable water would be used as the vehicle as per the product formula.

c. Preservative

Double Strength Chloroform Water BP is included in this product as the preservative as per the product formula.