

ECE (A) REFERENCE DETERGENT NO.2

WITHOUT OPTICAL BRIGHTENER

ORDERING INFORMATION

- **Stock Code:** 706-652 Tub (2kg)
- 706-653 Drum (15kg)

PRODUCT SPECIFICATIONS

COMPONENT	QUANTITY % MASS
- Linear sodium alkyl benzene sulphonate (mean length of alkane chain C _{11.5})	9.7
- Ethoxylated fatty alcohol C ₁₂₋₁₈ (7 EO units)	5.2
- Sodium soap, chain length C ₁₂₋₁₇ 46% : C ₁₈₋₂₀ 54%	3.6
- Foam inhibitor (DC-4248S)	4.5
- Sodium aluminium silicate (Zeolite 4A)	32.5
- Sodium carbonate	11.8
- Sodium salt of copolymer from acrylic and maleic acid	5.2
- Sodium silicate (SiO ₂ :Na ₂ O = 3.3 : 1)	3.4
- Carboxy methyl cellulose (CMC)	1.3
- Diethylene triamine penta(methylene phosphonic acid)	0.8
- Sodium sulphate	9.8
- Water	12.2
TOTAL	100.0

ECE (A) REFERENCE DETERGENT NO.2

WITHOUT OPTICAL BRIGHTENER

GUIDANCE NOTES

- This formulation does not contain any sodium perborate, bleach activator, or enzymes. These optional additions are supplied separately. If required, these must be added at the time of use
- IEC is the International Electrotechnical Commission. ECE is the European Colourfastness Establishment
- A are non-phosphate, B are phosphate based
- IEC detergents contain optical brightening agents (OBA). ECE detergents are free from OBA

QUALITY ASSURANCE

- Independent chemical analysis and application tests
- Certificate of Conformity available

STORAGE

This detergent product is manufactured to provide you with a test material of reliable quality and performance. In order to maintain this high quality please store the product in a cool, dry and dark place. When not in use keep the containers firmly and tightly sealed. Use clean or dedicated implements to remove product from the container.

APPLICATIONS

Suitable for use in procedures specified in:

- EN ISO 6330: 2000
- EN ISO 105 C08
- EN ISO 12138
- EN ISO 105 C09
- EN ISO 10528: 1995
- EN 26330:1994 (ISO 6330: 1984)

ECE (B) REFERENCE DETERGENT WITHOUT OPTICAL BRIGHTENER

ORDERING INFORMATION

- **Stock Code:** 706-650 Tub (2kg)
706-651 Drum (15kg)

PRODUCT SPECIFICATIONS

COMPONENT	QUANTITY % MASS
- Linear sodium alkyl benzene sulphonate (mean length of alkane chain C _{11.5})	8.0
- Ethoxylated tallow alcohol (14 EO units)	2.9
- Sodium soap, chain length C ₁₂₋₁₆ 13% - 26% : C ₁₈₋₂₂ 74% - 87%	3.5
- Sodium tripolyphosphate	43.7
- Sodium silicate (SiO ₂ :Na ₂ O = 3.3 : 1)	7.5
- Magnesium silicate	1.9
- Carboxy methyl cellulose (CMC)	1.2
- Ethylene diamine tetra acetic acid (EDTA), tetra sodium salt	0.2
- Sodium sulphate	21.2
- Water	9.9
TOTAL	100.0

ECE (B) REFERENCE DETERGENT WITHOUT OPTICAL BRIGHTENER

GUIDANCE NOTES

- This formulation does not contain any sodium perborate, bleach activator, or enzymes. These optional additions are supplied separately. If required, these must be added at the time of use
- IEC is the International Electrotechnical Commission. ECE is the European Colourfastness Establishment
- A are non-phosphate, B are phosphate based
- IEC detergents contain optical brightening agents (OBA). ECE detergents are free from OBA

QUALITY ASSURANCE

- Independent chemical analysis and application tests
- Certificate of conformity available

STORAGE

This detergent product is manufactured to provide you with a test material of reliable quality and performance. In order to maintain this high quality please store the product in a cool, dry and dark place. When not in use keep the containers firmly and tightly sealed. Use clean or dedicated implements to remove product from the container.

APPLICATIONS

Suitable for use in procedures specified in:

- | | |
|------------------------|----------------------------------|
| - EN ISO 105 C06: 1997 | - EN ISO 10528: 1995 |
| - BS 5651: 1989 | - EN 26330:1994 (ISO 6330: 1984) |

IEC (A) REFERENCE DETERGENT NO.3 CONTAINING OPTICAL BRIGHTENER

ORDERING INFORMATION

- **Stock Code:** 706-666 Tub (2kg)
- 706-667 Drum (15kg)

PRODUCT SPECIFICATIONS

COMPONENT	QUANTITY % MASS
- Linear sodium alkyl benzene sulphonate (mean alkane chain length C _{11.5})	9.7
- Ethoxylated fatty alcohol C ₁₂₋₁₈ (7 EO units)	5.2
- Sodium soap, chain length C ₁₂₋₁₇ 46% : C ₁₈₋₂₀ 54%	3.6
- Foam inhibitor concentrate 8% on inorganic carrier	6.5
- Sodium aluminium silicate (Zeolite 4A)	32.5
- Sodium carbonate	11.8
- Sodium salt of copolymer from acrylic and maleic acid	5.2
- Sodium silicate (SiO ₂ :Na ₂ O = 3.3 : 1)	3.4
- Carboxy methyl cellulose (CMC)	1.3
- Diethylene triamine penta(methylene phosphonic acid)	0.8
- Optical brightener (stilbene type)	0.3
- Sodium sulphate	7.5
- Water	12.2
TOTAL	100.0

IEC (A) REFERENCE DETERGENT NO.3

CONTAINING OPTICAL BRIGHTENER

GUIDANCE NOTES

- This formulation does not contain any sodium perborate, bleach activator, or enzymes. These optional additions are supplied separately. If required, these must be added at the time of use
- IEC is the International Electrotechnical Commission. ECE is the European Colourfastness Establishment
- A are non-phosphate, B are phosphate based
- IEC detergents contain optical brightening agents (OBA). ECE detergents are free from OBA

QUALITY ASSURANCE

- Independent chemical analysis and application tests
- Certificate of Conformity available

STORAGE

This detergent product is manufactured to provide you with a test material of reliable quality and performance. In order to maintain this high quality please store the product in a cool, dry and dark place. When not in use keep the containers firmly and tightly sealed. Use clean or dedicated implements to remove product from the container.

APPLICATIONS

Suitable for use in procedures specified in:

- EN ISO 6330: 2000

IEC (A*) REFERENCE DETERGENT NO.4

CONTAINING OPTICAL BRIGHTENER AND PROTEASE ENZYME

ORDERING INFORMATION

- **Stock Code:** 706-672 Tub (2kg)

PRODUCT SPECIFICATIONS

COMPONENT	QUANTITY % MASS
- Linear sodium alkyl benzene sulphonate	8.8
- Ethoxylated fatty alcohol C ₁₂₋₁₈ (7 EO units)	4.7
- Sodium soap (tallow soap)	3.2
- Foam inhibitor concentrate	3.9
- Sodium aluminium silicate (Zeolite 4A)	28.3
- Sodium carbonate	11.6
- Sodium salt of copolymer from acrylic and maleic acid	2.4
- Sodium silicate (SiO ₂ :Na ₂ O = 3.3 : 1)	3.0
- Carboxy methyl cellulose (CMC)	1.2
- Phosphonate	2.8
- Optical brightener (stilbene type)	0.2
- Sodium sulfate	6.5
- Protease enzyme (Savinase)	0.4
TOTAL	77%

IEC (A*) REFERENCE DETERGENT NO.4

CONTAINING OPTICAL BRIGHTENER AND PROTEASE ENZYME

GUIDANCE NOTES

- This formulation does not contain any sodium perborate or bleach activator. These optional additions are supplied separately. If required, these must be added at the time of use
- IEC is the International Electrotechnical Commission. ECE is the European Colourfastness Establishment
- A are non-phosphate, B are phosphate based
- IEC detergents contain optical brightening agents (OBA). ECE detergents are free from OBA

QUALITY ASSURANCE

- Independent chemical analysis and application tests
- Certificate of Conformity available

STORAGE

This detergent product is manufactured to provide you with a test material of reliable quality and performance. In order to maintain this high quality please store the product in a cool, dry and dark place. When not in use keep the containers firmly and tightly sealed. Use clean or dedicated implements to remove product from the container.

APPLICATIONS

Suitable for use in procedures specified in:

- EN ISO 6330: 2000
- IEC 60456

IEC REFERENCE DETERGENT (B) CONTAINING OPTICAL BRIGHTENER

ORDERING INFORMATION

- **Stock Code:** 706-654 Tub (2kg)
706-655 Tub (15kg)

PRODUCT SPECIFICATIONS

COMPONENT	QUANTITY % MASS
- Linear sodium alkyl benzene sulphonate (mean length of alkane chain C _{11.5})	8.0
- Ethoxylated tallow alcohol (14 EO units)	2.9
- Sodium soap, chain length C ₁₂₋₁₆ 13% - 26% : C ₁₈₋₂₂ 74% - 87%	3.5
- Sodium tripolyphosphate	43.7
- Sodium silicate (SiO ₂ :Na ₂ O = 3.3 : 1)	7.5
- Magnesium silicate	1.9
- Carboxy methyl cellulose (CMC)	1.2
- Ethylene diamine tetra acetic acid (EDTA), tetra sodium salt	0.2
- Sodium sulphate	21.0
- Optical brightener (dimorpholinostilbene type)	0.2
- Water	9.9
TOTAL	100.0

IEC REFERENCE DETERGENT (B) CONTAINING OPTICAL BRIGHTENER

GUIDANCE NOTES

- This formulation does not contain any sodium perborate, bleach activator, or enzymes. These optional additions are supplied separately. If required, these must be added at the time of use
- IEC is the International Electrotechnical Commission. ECE is the European Colourfastness Establishment
- A are non-phosphate, B are phosphate based
- IEC detergents contain optical brightening agents (OBA). ECE detergents are free from OBA

QUALITY ASSURANCE

- Independent chemical analysis and application tests
- Certificate of conformity available

STORAGE

This detergent product is manufactured to provide you with a test material of reliable quality and performance. In order to maintain this high quality please store the product in a cool, dry and dark place. When not in use keep the containers firmly and tightly sealed. Use clean or dedicated implements to remove product from the container.

APPLICATIONS

Suitable for use in procedures specified in:

- BS 5651: 1978 and 1989
- EN ISO 10525: 1995
- EN ISO 26330: 1994 (ISO 6330: 1984)

STANDARD SOAP

WITHOUT OPTICAL BRIGHTENER

ORDERING INFORMATION

- **Stock Code:** 706-657 Tub (2kg)

PRODUCT SPECIFICATIONS

PARAMETER	VALUE
- Free alkali, as Na_2CO_3	0.3 % max
- Free alkali, as NaOH	0.1 % max
- Total fatty matter, by mass	85.0 % min
- Titre of mixed fatty acids prepared from soap	30.0 °C max
- Iodine value	50.0 max
- Moisture	5.0 % max

GUIDANCE NOTES

- This formulation does not contain any sodium perborate, bleach activator, or enzymes. These optional additions are supplied separately. If required, these must be added at the time of use

STANDARD SOAP

WITHOUT OPTICAL BRIGHTENER

QUALITY ASSURANCE

- Independent chemical analysis and application tests
- Certificate of Conformity available

STORAGE

This detergent product is manufactured to provide you with a test material of reliable quality and performance. In order to maintain this high quality please store the product in a cool, dry and dark place. When not in use keep the containers firmly and tightly sealed. Use clean or dedicated implements to remove product from the container.

APPLICATIONS

Suitable for use in procedures specified in:

- EN ISO 105 C01-C05 (withdrawn and superseded by EN ISO 105-C10)
- EN ISO 105 C10