
British Standard

Reagents for chemical analysis

Part 2. Specifications (first series)

[ISO title: Reagents for chemical analysis — Part 2 : Specifications — First series]

Réactifs pour analyse chimique
Partie 2. Spécifications (première série)

Reagenzien für die chemische Analyse
Teil 2. Anforderungen (erste Reihe)

Contents

	Page		Page
National foreword	Inside front cover	R 19. Nitric acid	26
Committees responsible	Back cover	R 20. Oxalic acid dihydrate	27
Specifications		R 21. Perchloric acid	28
1. Scope and field of application	1	R 22. Phosphoric acid	30
2. Reagents (abbreviation: R), Specifications —		R 23. Potassium dichromate	31
First series	1	R 24. Potassium hydroxide	32
R 1. Acetic acid	2	R 25. Potassium iodide	34
R 2. Acetone	3	R 26. Potassium permanganate	36
R 3. Ammonia solution	4	R 27. Potassium sodium tartrate tetrahydrate	37
R 4. Ammonium acetate	6	R 28. Silver nitrate	38
R 5. Ammonium chloride	7	R 29. Sodium acetate trihydrate	39
R 6. Barium chloride dihydrate	8	R 30. Sodium carbonate anhydrous	41
R 7. Chloroform	9	R 31. Sodium carbonate decahydrate	43
R 8. Citric acid monohydrate	10	R 32. Sodium chloride	45
R 9. Copper(II) sulfate pentahydrate	12	R 33. Disodium hydrogenphosphate dodecahydrate	47
R 10. Cyclohexane	13	R 34. Sodium hydroxide	48
R 11. Ethanol	14	R 35. Sodium sulfate, anhydrous	50
R 12. (Ethylenedinitrilo)tetraacetic acid, disodium salt dihydrate	16	R 36. Sodium thiosulfate pentahydrate	51
R 13. Hydrochloric acid	17	R 37. Sulfuric acid	52
R 14. Hydrogen peroxide	19	R 38. Tin(II) chloride dihydrate	54
R 15. Hydroxylammonium chloride	21	R 39. Toluene	55
R 16. Magnesium chloride hexahydrate	22	R 40. Zinc	56
R 17. Magnesium oxide	23	Figure	
R 18. Methanol	25	Apparatus for the determination of the arsenic content of zinc	57

National foreword

This British Standard has been prepared under the direction of the Chemicals Standards Committee and is identical with ISO 6353/2-1983 'Reagents for chemical analysis — Part 2 : Specifications — First series', published by the International Organization for Standardization (ISO).

Part 1 of this British Standard is identical with ISO 6353/1 and specifies general test methods to which references are made in the specifications in Part 2. An addendum to ISO 6353/2, comprising specifications for further reagents, is in course of preparation and, subject to approval by the UK, when this addendum is completed it will be published either as an addendum to Part 2 or as Part 3 of BS 6376.

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Where the words 'this part of ISO 6353' appear, referring to this standard, they should be read as 'this Part of BS 6376'.

Cross-reference

International standard	Corresponding British Standard
ISO 6353/1-1982	BS 6376 Reagents for chemical analysis Part 1 : 1983 Methods of test (Identical)

Additional information

Assay of copper(II) sulfate pentahydrate. In the method described in R 9.3.1, it is recommended that a small amount of potassium thiocyanate be added just before the end of the titration to enhance the sharpness of the end-point.

Identification of reagents. For claims of compliance and purchasing orders relating to a specification in this standard, it is strongly recommended that the following form of words (using sodium hydroxide as an example) be adopted:

'sodium hydroxide complying with BS 6376/2 : R 34 (1984)'.

Compliance with a British Standard does not of itself confer immunity from legal obligations.