

Volume 20
Nuclear Quadrupole Resonance Spectroscopy Data

Subvolume B
Nuclei Cl - Rb

Introductory material

1	Introduction	1
1.1	General remarks	1
1.2	Literature covered and selection of data	2
1.3	Arrangement of tables and data	2
1.4	Abbreviations and units used for presenting the data	3
1.5	Indexes	3
1.6	List of symbols and units	6
1.7	List of universal constants	7
1.8	Glossary of general abbreviations	7
2	Tables of nuclear quadrupole interaction parameters (See Vol. 20A)	
2.1	Introductory remarks	
2.2	Nuclear constants of quadrupolar elements	
2.3	Ratios of nuclear quadrupole moments of isotopic nuclides	
2.4	Values of $\langle a_0/r \rangle^3$ for the valence states of some neutral atoms	
2.5	Atomic quadrupole coupling constants of some elements	
2.6	Sternheimer antishielding factor for atoms, free ions and ions in crystals	
2.7	Transition frequencies between nuclear quadrupole energy levels	
2.8	Eigenvalues for the nuclear quadrupole resonance spectra for $I = 5/2$	
2.9	Eigenvalues for the nuclear quadrupole resonance spectra for $I = 7/2$	
2.10	Eigenvalues for the nuclear quadrupole resonance spectra for $I = 9/2$	
3	Nuclear quadrupole resonance data	8
3.1	Introductory remarks	8
3.2	Resonance data tables	10
	Deuterium - Sulfur (See Vol. 20A)	
	15 - 22 Chlorine (See Vol. 20A)	
	23 - 34 Chlorine	10
	35 Potassium	432
	36 Scandium	436
	37 Titanium	437
	38 Vanadium	438
	39 Chromium	448
	40 Manganese	450
	41 Cobalt	464
	42 Copper	500
	43 Gallium	518
	44 Arsenic	528
	45 - 48 Bromine	556
	49 Rubidium	714
	Zirconium - Bismuth (See Vol. 20C)	

- 4 Diagrams of NQR frequencies and related properties (See Vol. 20C)
- 4.1 Introduction
- 4.2 Diagrams
- 4.3 References for chapter 4

- 5 Structure formulas (See Vol. 20C)

- 6 Indexes (See Vol. 20C)
- 6.1 Index of gross molecular formulas
- 6.2 Index of substance names
- 6.3 Index of CAS registry numbers

- Errata (See Vol. 20C)
- Corrections (See Vol. 31B)

Nuclei Cl ... Rb

Chihara, H.; Nakamura, N.

1988, IX, 717 p., Hardcover

ISBN: 978-3-540-18483-6