

**Table 9-1 List of analysis methods for antibiotics (monographs)**

Names of antibiotics <sup>Note1</sup>	Abbrev.	Date of designation	Date of deletion	Availability of working standards	Availability of feed analysis standards	Pure/feed grade <sup>Note2</sup>	Requires a routine analysis	Item in Feed Analysis Standards						
								Microbiological test			Instrumental analysis			
								Labeled <sup>Note3</sup>	Identification <sup>Note4</sup>	Residual <sup>Note5</sup>	Labeled <sup>Note3</sup>	Residual <sup>Note5</sup>		
Zinc bacitracin	BC	1976.7.24				Feed		—						
Avilamycin	AVM	1992.5.14				Feed		—						
Avoparcin	AV	1985.10.15	1997.3.18	-										
Alkyl trimethyl ammonium calcium oxytetracycline	OTC	1976.7.24				Pure		—				—		
Efrontomycin	ET	1991.6.3				Pure		—						
Oxytetracycline hydrochloride	OTC	1976.7.24	1983.7.6	-				—					—	
Kasugamycin hydrochloride	KSM	1976.7.24	1983.7.6	-	-									
Spiramycin embonate	SP	1976.7.24	1990.3.20	-										
Enramycin	ER	1976.7.24				Feed		—						
Orienticin	OR	1994.7.18	1997.3.18	-										
Kitasamycin	KT	1976.7.24	2004.10.12	-										
Chloramphenicol	CP	-	-	-										—
Chlortetracycline	CTC	1976.7.24				Feed		—					—	
Sodium quebemycin	QM	1976.7.24	1983.7.6	-										
Salinomycin sodium	SL	1978.9.5				Pure Feed		—	—	—		—	—	—
Sedecamycin	SCM	1993.6.22				Pure		—						
Semduramicin sodium	SD	1994.7.18				Pure		—	—			—	—	
Thiopeptin	TP	1976.7.24	2004.10.12	-										
Destomycin A	DM-A	1976.7.24				Pure		—						
Narasin	NR	2001.12.19				Feed		—				—	—	
Nosiheptide	NH	1987.12.25				Pure Feed		—		—				
Hygromycin B	HM-B	1976.7.24	2004.10.12	-										
Virginiamycin	VM	1976.7.24				Pure		—		—				
Bicozamycin	BZM	1983.7.6				Pure		—						
Flavophospholipol	FV	1976.7.24				Feed		—						
Polystyrenesulfonic acid oleandomycin	OM	1976.7.24	1990.3.20	-										
Polynactin	PN	1990.3.20	2004.10.12	-										
Macarbomycin	MC	1976.7.24	1985.10.15	-										
Bacitracin manganese	BC	1976.7.24	1985.10.15	-				—						
Monensin sodium	MN	1978.9.5				Pure		—	—	—		—	—	—
Lasalocid sodium	LS	1983.7.6				Pure		—	—	—		—	—	—
Kanamycin sulfate	KM	1976.7.24	1983.7.6	-										
Colistin sulfate	CL	1976.7.24				Pure		—						
Fradiomycin sulfate	FM	1976.7.24	1985.10.15	-										
Tylosin phosphate	TS	1976.7.24				Pure		—	—	—				

Note 1: The names of the antibiotics in gothic letters are those designated as feed additives as of November 2009.

2: Antibiotic formulations for feed additives are divided into pure grade and feed grade based on the method of manufacture. The former is prepared by microorganisms, culture media, etc. by filtration, and the latter is prepared without removing these materials.

3: "Labeled" means a quantitative test to estimate the recovery rate of the labeled potency of feeds etc.

4: "Identification" means a quantitative test to identify the presence or absence of antibiotics labeled on feeds etc.

5: "Residual" means a quantitative test to determine the amount of antibiotics carried over into feeds that are supposed to be free of antibiotics (trace test).