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## ANNEX

Identi- fication number of the feed additive	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa- tion
					mg/kg of complete feed with 12 % moisture content			
Category: nutritional additives. Functional group: amino acids, their salts and analogues								
3c320i	L-Lysine base, liquid	<b>Additive composition:</b> Aqueous solution of L-lysine with a minimum content of 50% L-lysine  Liquid form ----- <b>Characterisation of the active substance:</b> L-lysine produced by fermentation with <i>Corynebacterium glutamicum</i> NRRL B-68248 Chemical formula: NH <sub>2</sub> -(CH <sub>2</sub> ) <sub>4</sub> -CH(NH <sub>2</sub> )-COOH CAS number: 56-87-1 ----- <b>Analytical method<sup>1</sup>:</b> For the quantification of lysine in the feed additive: — ion exchange chromatography	All animal species	-	-	-	1. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment and the stability in water for drinking shall be indicated.  2. The additive may be used via water for drinking.  3. Feed business operators shall ensure that L-lysine is rumen protected, when fed to ruminants.  4. The label of the additive and premixture shall indicate the following: ‘The supplementation with L-lysine, in particular via water for drinking, should take into account all essential and conditional	[10 years from the date of entry into force of this Regulation. To be completed by the OP]

<sup>1</sup> Details of the analytical methods are available at the following address of the Reference Laboratory: [https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports\\_en](https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en)

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		<p>coupled with post-column derivatisation and photometric detection (IEC-VIS/FLD) – EN ISO 17180</p> <p>For the quantification of lysine in premixtures: — ion exchange chromatography coupled with post-column derivatisation and photometric detection (IEC-VIS), Commission Regulation (EC) No 152/2009 or — ion exchange chromatography coupled with post-column derivatisation and photometric detection (IEC-VIS/FLD) – EN ISO 17180</p> <p>For the quantification of lysine in compound feed: — ion exchange chromatography coupled with post-column derivatisation and photometric detection (IEC-VIS), Commission Regulation (EC) No 152/2009</p> <p>For the quantification of lysine in water: — ion exchange chromatography coupled with post-column derivatisation and optical detection (IEC-VIS/FLD)</p>					<p>essential amino acids in order to avoid imbalances.’</p> <p>5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address the potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with breathing protective equipment.</p>	