

**Table 4.3. Summary of dietary nutrient (minerals and vitamins) requirements of common carp (*Cyprinus carpio*)**

Name/type	Quantity	Source
<b>Minerals (1)<sup>1</sup></b>		
Macroelements (%)		
• Phosphorus, min	0.6–0.8 %	(1)
• Magnesium, min	0.04–0.05 %	(1)
Microelements, min mg/kg dry diet		
• Iron	150 mg/kg	(1)
• Copper	3 mg/kg	(1)
• Manganese	13 mg/kg	(1)
• Zinc	15–30 mg/kg	(1)
• Cobalt	0.1 mg/kg	(1)
<b>Vitamins, min IU/kg dry diet (2)<sup>1</sup></b>		
• Vitamin A (Retinol)	4 000	(2)
<b>Vitamins, min mg/kg dry diet (2)<sup>1</sup></b>		
• Vitamin E ( $\alpha$ -tocopherol)	100	(2)
• Vitamin B <sub>1</sub> (Thiamine)	0.5	(2)
• Vitamin B <sub>2</sub> (Riboflavin)	7	(2)
• Vitamin B <sub>3</sub> (Niacin/nicotinic acid)	28	(2)
• Vitamin B <sub>5</sub> (Pantothenic acid)	30	(2)
• Vitamin B <sub>6</sub> (Pyridoxine)	6	(2)
• Choline	500	(2)
• Inositol	440	(2)
• Vitamin B <sub>7</sub> (Biotin)	1	(2)
• Vitamin C (Ascorbic acid)	required	(2)

<sup>1</sup>Source: (1) Satoh (1991); NRC (1993); Kim, Breque and Kaushik (1998);

(2) Satoh (1991) and NRC (1993).