

# RENILON 7.5

A ready-to-drink, high energy, moderate protein, reduced mineral oral nutritional supplement for the dietary management of patients with renal disease (receiving dialysis).

## FEATURES

- **250kcal/bottle (2kcal/ml):** energy-dense ONS<sup>^</sup> for patients requiring fluid or volume restriction.
- **9.4g protein/bottle (15% energy):** moderate protein to aid in the dietary management of protein-energy malnutrition, frequently observed in patients on dialysis.<sup>1</sup>
- **Reduced mineral content (sodium, potassium, chloride, calcium, phosphorus, magnesium):** for patients that require select mineral restriction.
- **Elevated levels of micronutrients with antioxidant properties (copper, manganese, selenium, carotenoids, vitamin E, riboflavin, vitamin B<sub>6</sub>, folic acid, vitamin B<sub>12</sub>) compared to standard ONS<sup>^</sup>:** to support and mitigate increased oxidative stress in pre-dialysis patients.<sup>2-13</sup>
- **Does not contain preformed vitamin A:** to reduce the risk of hypervitaminosis.<sup>14-18</sup>
- **Does not contain vitamin D:** to reduce the risk of toxicity as vitamin D cannot be converted sufficiently to active form by patients with end-stage renal failure.<sup>19</sup>
- **Fibre free:** for patients requiring residue-restricted diet.
- **Small volume (125ml):** for patients requiring fluid or volume restriction.
- **User-friendly bottle:** ergonomic plastic bottle, with resealable easy to open cap.

## Indications

For the dietary management of:

- Disease-related malnutrition.
- Patients with renal disease receiving dialysis treatment.
- Patients requiring a fluid or volume restriction.
- Patients requiring a select mineral restriction.

## Important Notice

- Not suitable as a sole source of nutrition.
- Not for parenteral use.
- Not suitable for patients with galactosaemia.
- Not suitable for patients with cow's milk protein allergy.
- Not suitable for infants and children under 3 years of age.
- Should be used with caution in children over 3 years and monitored by a healthcare professional.
- Must be used under medical supervision.

## Directions for Use

- Shake well before use.
- Best served chilled.
- Usage to be determined by a healthcare professional.

## Ordering Information

To order contact Nutricia Customer Experience **1800 889 480**.

| Renilon 7.5 | Presentation | Product code | Units per carton |
|-------------|--------------|--------------|------------------|
| Caramel     | 125ml bottle | 204786       | 24               |

## Ingredients

**Renilon 7.5 Caramel:** Water, maltodextrin, vegetable oils (High oleic sunflower oil, rapeseed oil, sunflower oil) bovine **milk** beta-lactoglobulin, fructose, flavouring (caramel), choline citrate, colour (sulphite ammonia caramel), potassium hydroxide, sodium citrate, taurine, L-carnitine, sodium L-ascorbate, sodium hydroxide, ferrous lactate, zinc sulphate, carotenoids (contain **soy**) (beta carotene, lutein, lycopene oleoresin from tomatoes), copper gluconate, calcium D-pantothenate, pyridoxine hydrochloride, nicotinamide, manganese sulphate, DL a-tocopheryl acetate, thiamin hydrochloride, sodium fluoride, riboflavin, pteroylmonoglutamic acid, chromium chloride, sodium molybdate, potassium iodide, sodium selenite, D-biotin, phytomenadione, cyanocobalamin.

## Allergen & Cultural Information

- Contains: **milk** and **soy**.
- No gluten containing ingredients. No detectable gluten when tested to a sensitivity level of less than 5 parts per million (<5 ppm i.e. <5mg/kg).
- Low lactose (lactose <2g/100g).

## Storage

- Store in a cool, dry place.
- Once opened, close the bottle and store in a refrigerator for maximum 24 hours.

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| NUTRITION INFORMATION |      | Per 100ml    | Per 125ml |
|-----------------------|------|--------------|-----------|
| Energy                | kcal | 200          | 250       |
|                       | kJ   | 838          | 1048      |
| Protein               | g    | 7.5 (15% E)  | 9.4       |
| Whey                  | g    | 7.5          | 9.4       |
| Carbohydrate          | g    | 20.0 (40% E) | 25        |
| Sugars                | g    | 4.9          | 6.1       |
| as Lactose            | g    | <0.11        | <0.14     |
| Fat                   | g    | 10.0 (45% E) | 12.5      |
| Saturates             | g    | 0.94         | 1.18      |
| Monounsaturates       | g    | 7.1          | 8.9       |
| Polyunsaturates       | g    | 2.0          | 2.5       |
| ω6 / ω3 ratio         |      | 6.9:1        | 6.9:1     |
| Fibre                 | g    | 0            | 0         |
| Water                 | ml   | 71           | 89        |
| Minerals              |      | Per 100ml    | Per 125ml |
| Sodium                | mg   | 73.0         | 91.3      |
|                       | mmol | 3.17         | 3.96      |
| Potassium             | mg   | 21.6         | 27.0      |
|                       | mmol | 0.55         | 0.69      |
| Calcium               | mg   | <11.0        | <13.8     |
| Phosphorus            | mg   | <9.00        | <11.25    |
| Magnesium             | mg   | <2.00        | <2.5      |
| Chloride              | mg   | <24.0        | <30.0     |

^ONS – Oral Nutritional Supplement.

**REFERENCES** 1. Herselman M, Moosa MR, Kotze TJ, Kritzing M, Wuister S, Mostert D. Protein-energy malnutrition as a risk factor for increased morbidity in longterm hemodialysis patients. *J Renal Nutr* 2000; 10: 7-15. 2. Drai J, Bannier E, Chazot C, Hurot J et al. Oxidants and antioxidants in longterm haemodialysis patients. *Farmacol* 2001; 56: 463-65. 3. Morena M, Cristol J, Canaud B. Why hemodialysis patients are in a prooxidant state? What could be done to correct the pro/antioxidant imbalance. *Blood Purif* 2000; 18: 191-99. 4. Loughrey CM, Young IS, Lightbody JH et al. Oxidative stress in haemodialysis. *QJM* 1994; 87: 679-83. 5. Toborek M, Wasik T, Drozd M, Klin M et al. Effect of hemodialysis on lipid peroxidation and antioxidant system in patients with chronic renal failure. *Metabolism* 1992; 41: 1229-32. 6. Chen CK, Liaw JM, Juang JG, Lin TH. Antioxidant enzymes and trace elements in hemodialyzed patients. *Biol Trace Elem Res* 1997; 58: 149-57. 7. Paul JL, Sall ND, Soni T et al. Lipid peroxidation abnormalities in hemodialyzed patients. *Nephron* 1993; 64: 106-109. 8. Stratton R. Rationale for the addition of carotenoids to enteral tube and sip feeds. *Nutricia Healthcare* 2000, on file. 9. Ghoresli Z, Jagtap PE, Ahaley SK, Gandhi R. Oxidant-antioxidant status in acute and chronic renal failure. *Indian J Med Sci* 2000; 54: 131-135. 10. Jackson P, Loughrey CM, Lightbody JH, McNamee PT, Young IS. Effect of hemodialysis on total antioxidant capacity and serum antioxidants in patients with chronic renal failure. *Clin Chem* 1995; 41: 1135-38. 11. Fiorillo C, Oliviero C, Rizzuti G et al. Oxidative stress and antioxidant defenses in renal patients receiving regular haemodialysis. *Clin Chem Lab Med* 1998; 36: 149-153. 12. Bender DA, Bender AE. Nutrition. A reference handbook. Oxford: Oxford University Press, 1997. 13. Okada A, Takagi Y, Nezu R, Sando K, Shenkin A. Trace element metabolism in parenteral and enteral nutrition. *Nutrition* 1995; 11(Suppl): 106-11. 14. Muth I. Implications of hypervitaminosis A in chronic renal failure. *J Renal Nutr* 1991; 1: 2-8. 15. Khan IH, Richmond P, Macleod AM. Diseases of the kidneys and urinary tract. In: Garrow JS, James WPT, Ralph A (eds). *Human nutrition and dietetics*. Tenth edition. Edinburgh: Churchill Livingstone; 2000; 667-687. 16. Goldstein DJ, Abrahamian-Gebeshian C. Nutrition support in renal failure. In: Matarese LE, Gottschlich MM (eds). *Contemporary Nutrition Support Practice. A Clinical Guide*. Philadelphia: WB Saunders 1998; 447-47. 17. Ha TK, Sattar N, Talwar D, Cooney J, Simpson K, O'Reilly DS et al. Abnormal antioxidant vitamin and carotenoid status in chronic renal failure. *QJM* 1996; 89: 765-769. 18. Allman MA, Truswell AS, Tiller DJ, Stewart PM et al. Vitamin supplementation of patients receiving haemodialysis. *Med J Aust* 1989; 150: 130-133. 19. Hartley G, Roberts R. Renal Disease. Thomas B (ed). *Manual of Dietetic Practice*, 3rd ed. Oxford: Blackwell Scientific Publications 2001; 420-434.

| Vitamins                |                               | Per 100ml | Per 125ml |
|-------------------------|-------------------------------|-----------|-----------|
| Vitamin A               | µg-RE                         | 0         | 0         |
| Vitamin D               | µg                            | 0         | 0         |
| Vitamin E               | mg α-TE                       | 5.11      | 6.39      |
| Vitamin K               | µg                            | 11.2      | 14        |
| Vitamin C               | mg                            | 6.78      | 8.48      |
| Thiamin                 | mg                            | 0.29      | 0.36      |
| Riboflavin              | mg                            | 0.40      | 0.5       |
| Niacin                  | mg NE                         | 3.43      | 4.29      |
| Vitamin B <sub>6</sub>  | mg                            | 0.95      | 1.19      |
| Vitamin B <sub>12</sub> | µg                            | 0.48      | 0.60      |
| Folic Acid              | µg                            | 99.2      | 124       |
| Pantothenic Acid        | mg                            | 1.14      | 1.43      |
| Biotin                  | µg                            | 6.19      | 7.74      |
| Trace Elements          |                               | Per 100ml | Per 125ml |
| Iron                    | mg                            | 1.97      | 2.46      |
| Zinc                    | mg                            | 2.00      | 2.5       |
| Manganese               | mg                            | 0.20      | 0.25      |
| Copper                  | µg                            | 420       | 525       |
| Iodine                  | µg                            | 27.1      | 33.9      |
| Molybdenum              | µg                            | 15.0      | 18.8      |
| Selenium                | µg                            | 16.0      | 20.0      |
| Chromium                | µg                            | 13.8      | 17.3      |
| Fluoride                | mg                            | 0.20      | 0.25      |
| Other                   |                               | Per 100ml | Per 125ml |
| Carotenoids             | mg                            | 0.47      | 0.59      |
| Choline                 | mg                            | 40.0      | 50        |
| L-Carnitine             | mg                            | 14.8      | 18.5      |
| Taurine                 | mg                            | 15.8      | 19.8      |
| Osmolality              | mOsmol/<br>kgH <sub>2</sub> O | 580       | 580       |

**Food for special medical purposes  
for use under medical supervision**

For more information call the  
**Nutricia Careline 1800 060 051**

**NUTRICIA**  
LIFE-TRANSFORMING NUTRITION

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