Exposure

In this guide

In this guide

- 1. Background and Introduction Garcinia cambogia oral consumption
- 2. Data from authoritative bodies Garcinia cambogia oral consumption
- 3. Chemical composition Garcinia cambogia oral consumption
- 4. ANSES Garcinia cambogia oral consumption
- 5. AESAN Garcinia cambogia oral consumption
- 6. Australian TGA Garcinia cambogia oral consumption
- 7. <u>BfR (German Federal Institute for Risk Assessment) Garcinia cambogia oral</u> consumption
- 8. EFSA Garcinia cambogia oral consumption
- 9. Health Canada Garcinia cambogia oral consumption
- 10. NCCIH Garcinia cambogia oral consumption
- 11. Data from literature search Garcinia cambogia oral consumption
- 12. Human data Garcinia cambogia oral consumption
- 13. Hepatotoxic case reports Garcinia cambogia oral consumption
- 14. Animal studies Garcinia cambogia oral consumption
- 15. Exposure Garcinia cambogia oral consumption
- 16. Uncertainties Garcinia cambogia oral consumption
- 17. Risk Characterisation Garcinia cambogia oral consumption
- 18. Questions to the Committee Garcinia cambogia oral consumption
- 19. Abbreviations Garcinia cambogia oral consumption
- 20. References Garcinia cambogia oral consumption

This is a discussion paper. It does not reflect the views of the Committee. It should not be cited.

Brief market analysis

182. A brief market analysis was carried out using the search term on Google: "Garcinia cambogia buy UK". This information was collated into tables 4

and 5. The FSA's Exposure Assessment Team (EAT) have quality assured this data by reviewing the transcription of the information in the table is correct according to the weblinks.

- 183. The Holland & Barret website states that "Most studies have been based on 900 mg to 3,000mg of HCA of garcinia cambogia daily. Dosage recommendations on commercially available pills are generally lower, around 300mg 1,600mg daily." (Holland & Barrett, 2019). At the time of writing, two products (each available in different pack sizes) were available that contained *G. cambogia* in MIDS: *G. cambogia* and green coffee bean capsules (600 mg *G. Cambogia* (fruit) per day (2 capsules)) in 60 or 100 capsule bottles; protein shakes (150 mg *G. cambogia* extract/55g per scoop; instructions state to add 2 scoops per serving and recommends 1-3 servings daily total of up to 900 mg *G. cambogia* extract/day) in 1 or 2 kg tubs (Holland & Barrett, 2025).
- 184. Other online retailers such as Amazon, Superdrug, Grape Tree, Natur House and various body building supplement & nutrition websites offer *G. cambogia* capsule products with daily doses of HCA ranging from 80 10,000 mg. However, the product description and labelling are inconsistent with some listings simply stating *G. cambogia* extract without describing whether it is HCA nor the standardised HCA content. A powdered product of *G. Cambogia* extract was also available, where half a teaspoon serving gave a dose of 500 mg HCA (60% standardised (Oils and Herbs, 2025). It may be possible that other (non-)UK retailers offer products with higher concentrations of HCA than identified in this discussion paper.

Estimated exposure

- 185. A comprehensive exposure assessment using consumption data from years 1-11 of the National Diet and Nutrition Survey (NDNS) (Bates *et al.*, 2014; Bates *et al.*, 2016; Roberts *et al.*, 2018; Bates *et al.*, 2020) was not possible, for the following reasons:
 - Specific food supplements containing *G. cambogia* are not in the NDNS.
 - Specific food/drink products containing *G. cambogia* are not in the NDNS. Whilst consumption estimates for food/drink products containing *G. cambogia* could be based on consumption of "normal" versions of the food in NDNS, it was noted these products are uncommon; this approach may have resulted in a significant overestimation of exposure.

- The use of the rind for culinary purposes was not in scope for the exposure assessment. In this instance, using the identified dose for use as a supplement was considered the most appropriate approach.
- Therefore, the exposure estimates provided for the identified products of the market analysis are based on the recommended dose/serving size and the average body weights of adults (aged 19-64 years) and toddlers (aged 1.5-3 years) from the NDNS (78.6 and 14.6 kg, respectively).
- 187. Most products in the market analysis included warning information that recommended the product was suitable for adults only. However, consumption by other age groups could not be ruled out completely. Therefore, toddlers have been chosen as the age group for worst case exposure estimates.
- 188. Table 4 provides dosage information for *G. cambogia* only supplements, whilst Table 5 provides dosage information for multi-ingredient *G. cambogia* dietary supplements, as sold in UK online retailers at the time of the assessment.
- Table 6 and Table 7 provide the exposure estimates for adults (*G. cambogia* only and MIDS products respectively), while Table 8 and Table 9 provide the exposure estimates for toddlers (*G. cambogia* only and MIDS products respectively). There are exposure estimates for both *G. cambogia* and HCA, where possible. In some cases, insufficient information was provided to perform an exposure assessment for one or the other.

Table 4 - Dosage information for *G. cambogia* only supplements, as sold in UK online retailers at the time of the assessment.

G. cambogia G. cambogia **HCA** concentration concentration content in a daily **Supplement Supplement Recommended per unit** % (mg in serving daily serving (capsule/ maximum name type (maximum tablet/ scoop daily serving size*) etc) (mg) serving*) (mg)

| BodyBuilding Warehouse Pure <i>Garcinia</i> cambogia | Cansules | 1-2 capsules | 500 | 1000 | 60% (600) |
|--------------------------------------------------------------------------------------------------------|-----------|-----------------|------|------|---------------|
| UK Health House Garcinia Cambogia - High Strength - 1000mg Tablets 60% HCA Max | Tablets | 1-2 tablets | 1000 | 2000 | 60% (1200) |
| HERBASENSE GARCINIA CAMBOGIA EXTRACT - 60% HCA by HPLC | Powder | 3 spoons (1.5g) | 1500 | 4500 | 60% (2700) |
| NOW Foods, Garcinia, 120 Tablets |) Tablets | 1-3 tablets | 1000 | 3000 | 50% (1500) |
| Fitimins Garcinia Cambogia Extract 1000mg Capsule | Capsules | 2 capsules | 1000 | 2000 | 60% (1200) |

| BioTechUSA HCA - 100 caps | Capsules | 3 capsules | 1000 | 3000 | 60% (1800) |
|------------------------------------------------------------------------------------|---------------|--------------|------|------|-----------------|
| Woods Supplements Garcinia Cambogia 1000mg | S Capsules | 1 capsule | 1000 | 1000 | Not provided |
| Paradise Herbs, Garcinia Extract, 500 mg, 60 Vegetarian Capsules | Capsules | 1-3 capsules | 500 | 1500 | 50% (750) |
| Inlife Garcinia 1600 MG Capsules - 120 Capsules | Capsules s | 2-3 capsules | 1600 | 4800 | >60% (>2880) |
| Himalaya, Organic Garcinia, 60 Caplets | Caplets | 2 caplets | 600 | 1200 | 66% (792) |
| Swanson Garcinia Cambogia 5:1 Extract, 80mg - 60 caps | Capsules | 1 capsule | 80 | 80 | Not provided |

| Sotya Garcinia | Capsules | 3 capsules | 250 | 750 | 60% (450) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|--------------------------|----------|-----------------|
| DR WAKDE'S Garcinia Frui Powder - 100g (3.5oz) Pure, Raw & Dried Powde Ayurvedic Herb Vegar Nothing Added, Nothing Removed Same Day Dispatch | it Sa r Powder | 1-2 teaspoons (5-10g) | 5,000 (5g teaspoon)** | 10,000** | Not provided |
| Garcinia Cambogia 1500mg 120 Vegan Capsules High Strength 20:1 Whole Fruit Powder Premium Quality Supplement by Horbaach | I | 1 capsule | 1500 | 1500 | Not provided |

Black Swan
Hydroxycitric
Acid
Capsules 500mg HCA
Garcinia
Cambogia
Enhanced
Mood Weight Capsules
Management
Metabolic
Support

Natural Food Supplement -30 Capsules

1 Month

Supply

Percentage content

1-2 capsules Not provided** Not provided** not provided** (1000)

* Maximum serving assumes the maximum amount recommended on the packaging or website of the supplement. E.g. if recommended to take 1-2 capsules per day, this table assumes 2 capsules would be taken. Another example is if the website suggests a serving of 2 capsules a day, but the packaging suggests 3, then the highest suggestion has been used.

**An assumption has been made regarding the value, see Table 1 (Appendix A of TOX/2025/41) for more details.

Table 5 Dosage information for multi-ingredient G. cambogia dietary supplements, as sold in UK online retailers at the time of the assessment.

| Supplement name | Supplement type | Recommended daily serving | concentration per unit (capsule/ | in a daily serving (maximum serving size*) | HCA content % (mg in maximum daily serving*) |
|--------------------|--------------------|------------------------------|----------------------------------|-----------------------------------------------------|----------------------------------------------|
|--------------------|--------------------|------------------------------|----------------------------------|-----------------------------------------------------|----------------------------------------------|

| Swiss Bioenergetics Garcinia cambogia | Capsules | 3-6 capsules | 500 | 3000 | Not provided |
|-----------------------------------------------------------------------------------------------------------|----------|-----------------|------|------|-----------------|
| Nutralie Garcinia cambogia complex fat burner | Capsules | 3 capsules | 667 | 2000 | 60% (1200) |
| Holland & Barrett Garcinia Cambogia & Green Coffee Bean 100 Capsules | - | 2 capsules | 300 | 600 | Not provided |
| HERBASENSE Garcinia Cambogia Plus Jar - 60% HCA by HPLC + Green Coffee Bean + Green Tea Extracts | Powder | 3 spoons (1.5g) | 1500 | 4500 | 60% (2700) |

| Sensilab Essentials Garcinia Cambogia 1,800mg High Dose - Vegan, 90 Capsules | Capsules | 3 capsules | 600 | 1800 | 60% (1080) |
|------------------------------------------------------------------------------|----------|--------------|-----|------|---------------|
| Sensilab Garcinia Slim | Capsules | 2 capsules | 209 | 417 | 60% (250) |
| GARCINIA ULTRA BLEND (with Acai & Green Tea) 60 Vegetarian Capsules | Capsules | 1-2 capsules | 100 | 200 | 55% (110) |

Garcinia Cambogia -90 Capsules -1500mg Daily Dosage - Premium Quality Supplement -UK formulated -No 3 capsules Vegetarian & Capsules 500 1500 provided Vegan Suitable -Optimum Strength For Maximum Results -Garcinia

Clean For

Men & Women

| Apple Cider Vinegar with Cayenne Pepper, Turmeric & Ginger Root + Garcinia Cambogia with Calcium, Potassium, Chromium, etc UK Formulated Food Supplements Capsules - Both Vegan & Vegetarian Suitable | Capsules | 3 capsules | 1500** | 4500** | 15% (675)** |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|--------|--------|-----------------|
| Prowise Healthcare Essentials Garcinia Cambogia High Dose - Vegan, 180 Capsules | Capsules | 2 capsules | 1000 | 2000 | Not provided |
| Troo Health Care Garcinia Cambogia Complex Supplement - 90 Capsules UK Manufactured | Capsules | 3 capsules | 500 | 1500 | Not provided |

Garcinia Cambogia 1500mg Daily Dosage -with Added Chromium Picolinate for Rapid Not Capsules 3 capsules 500 1500 Absorption provided 30 Day Supply of The Super Strength Whole Fruit -Manufactured

in The UK

Table 6 - Exposure estimates for adults from G. cambogia only supplements, as sold in UK online retailers at the time of the assessment.

| Supplement ser (ma | cambogia centration daily ving aximum ving size*) | HCA content % (mg in maximum daily serving*) | Exposure to G. cambogia (maximum daily serving*) (mg/ kg bw/day) | - |
|--------------------|---------------------------------------------------|----------------------------------------------|------------------------------------------------------------------|---|
|--------------------|---------------------------------------------------|----------------------------------------------|------------------------------------------------------------------|---|

^{*}Maximum serving assumes the maximum amount recommended on the packaging or website of the supplement. E.g. if recommended to take 1-2 capsules per day, this table assumes 2 capsules would be taken. Another example is if the website suggests a serving of 2 capsules a day, but the packaging suggests 3, then the highest suggestion has been used.

^{**}An assumption has been made regarding the value, see Table 1 (Appendix A of TOX/2025/41) for more details.

| BodyBuilding Warehouse Pure <i>Garcinia cambogia</i> | 1000 | 60% (600) | 13 | 7.6 |
|--------------------------------------------------------------------------------------------|------|--------------|------|--------------|
| UK Health House Garcinia Cambogia - High Strength - 1000mg Tablets 60% HCA Max | 2000 | 60% (1200) | 25 | 15 |
| HERBASENSE GARCINIA CAMBOGIA EXTRACT - 60% HCA by HPLC | 4500 | 60% (2700) | 57 | 34 |
| NOW Foods, Garcinia, 120 Tablets | 3000 | 50% (1500) | 38 | 19 |
| Fitimins <i>Garcinia Cambogia</i> Extract 1000mg Capsule | 2000 | 60% (1200) | 25 | 15 |
| BioTechUSA HCA - 100 caps | 3000 | 60% (1800) | 38 | 23 |
| Woods Supplements <i>Garcinia Cambogia</i> 1000mg | 1000 | Not provided | d 13 | Not provided |

| Paradise Herbs, Garcinia Extract, 500 mg, 60 Vegetarian Capsules | 1500 | 50% (750) | 19 | 9.5 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|-------|--------------|
| Inlife Garcinia 1600 MG Capsules - 120 Capsules | | >60% (>2880) | 61 | 37 |
| Himalaya, Organic Garcinia, 60 Caplets | 1200 5 | 66% (326) | 15 | 10 |
| Swanson <i>Garcinia Cambogia</i> 5:1 Extract, 80mg - 60 caps | 80 | Not provided | d 1.0 | Not provided |
| Sotya Garcinia | 750 | 60% (450) | 9.5 | 5.7 |
| DR WAKDE'S Garcinia Fruit Powder - 100g (3.5oz) Pure, Raw & Dried Powder Ayurvedic Herb Vegan Nothing Added, Nothing Removed Same Day Dispatch | 10,000** | Not provided | d 130 | Not provided |

Garcinia Cambogia 1500mg | 120 Vegan Capsules | High Strength 20:1 Whole Fruit Powder

| Premium Quality Supplement | by

1500 Not provided 19

Not provided

Black Swan

Horbaach

Hydroxycitric Acid Capsules - 500mg

HCA Garcinia

Cambogia

Enhanced Mood

Not provided** Weight

Management Metabolic Support

Natural Food Supplement - 30 Capsules 1 Month Supply

Percentage

content not

provided**

(1000)

Not provided 13

Table 7 - Exposure estimates for adults from multi-ingredient G. cambogia dietary supplements, as sold in UK online retailers at the time of the assessment.

^{*} Maximum serving assumes the maximum amount recommended on the packaging or website of the supplement. E.g. if recommended to take 1-2 capsules per day, this table assumes 2 capsules would be taken. Another example is if the website suggests a serving of 2 capsules a day, but the packaging suggests 3, then the highest suggestion has been used.

^{**}An assumption has been made regarding the value, see Table 1 (Appendix A of TOX/2025/41) for more details.

| Supplement name | G. cambogia concentration in a daily serving (maximum serving size*) (mg) | HCA content % (mg in maximum daily serving*) | Exposure to G. cambogia (maximum daily serving*) (mg/ kg bw/day) | - |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------|--------------|
| Swiss Bioenergetics Garcinia cambogia | 3000 | Not provided | 38 | Not provided |
| Nutralie <i>Garcinia</i> cambogia complex fat burner | 2000 | 60% (1200) | 25 | 15 |
| Holland & Barrett Garcinia Cambogia & Green Coffee Bean 100 Capsules | 600 | Not provided | 7.6 | NA |
| HERBASENSE Garcinia Cambogia Plus Jar - 60% HCA by HPLC + Green Coffee Bean + Green Tea Extracts | 4500 | 60% (2700) | 57 | 34 |
| Sensilab Essentials Garcinia Cambogia 1,800mg High Dose - Vegan, 90 Capsules | 1800 | 60% (1080) | 23 | 14 |

| Sensilab Garcinia Slim | 417 | 60% (250) | 5.3 | 3.2 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|-----|--------------|
| GARCINIA ULTRA BLEND (with Acai & Green Tea) 60 Vegetarian Capsules | 200 | 55% (110) | 2.5 | 1.4 |
| Garcinia Cambogia - 90 Capsules - 1500mg Daily Dosage - Premium Quality Supplement - UK formulated - Vegetarian & Vegan Suitable - Optimum Strength For Maximum Results - Garcinia Clean For Men & Women | 1500 | No provided | 19 | Not provided |
| Apple Cider Vinegar with Cayenne Pepper, Turmeric & Ginger Root + Garcinia Cambogia with Calcium, Potassium, Chromium, etc UK Formulated Food Supplements Capsules - Both Vegan & Vegetarian Suitable | 4500** | 15% (675)** | 25 | 8.6 |

| Prowise Healthcare Essentials <i>Garcinia</i> <i>Cambogia</i> High Dose - Vegan, 180 Capsules | 2000 | Not provided | 25 | Not provided |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|----|--------------|
| Troo Health Care Garcinia Cambogia Complex Supplement - 90 Capsules UK Manufactured | 1500 | Not provided | 19 | Not provided |
| Garcinia Cambogia 1500mg Daily Dosage -with Added Chromium Picolinate for Rapid Absorption - 30 Day Supply of The Super Strength Whole Fruit - Manufactured in The UK | 1500 | Not provided | 19 | Not provided |

^{*} Maximum serving assumes the maximum amount recommended on the packaging or website of the supplement. E.g. if recommended to take 1-2 capsules per day, this table assumes 2 capsules would be taken. Another example is if the website suggests a serving of 2 capsules a day, but the packaging suggests 3, then the highest suggestion has been used.

Table 8 - Exposure estimates for toddlers from G. cambogia only supplements, as sold in UK online retailers at the time of the assessment.

^{**}An assumption has been made regarding the value, see Table 1 (Appendix A of TOX/2025/41) for more details.

| Supplement name | G. cambogia concentration in a daily serving (maximum serving size*) (mg) | HCA content % (mg in maximum daily serving*) | Exposure to G. cambogia (maximum daily serving*) (mg/ kg bw/day) | Exposure to HCA (maximum daily serving*) (mg/ kg bw/day) |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|
| BodyBuilding Warehouse Pure <i>Garcinia cambogia</i> | 1000 | 60% (600) | 68 | 41 |
| UK Health House Garcinia Cambogia - High Strength - 1000mg Tablets 60% HCA Max | 2000 | 60% (1200) | 140 | 82 |
| HERBASENSE GARCINIA CAMBOGIA EXTRACT - 60% HCA by HPLC | 4500 | 60% (2700) | 310 | 180 |
| NOW Foods, Garcinia, 120 Tablets | 3000 | 50% (1500) | 210 | 100 |
| Fitimins <i>Garcinia</i> <i>Cambogia</i> Extract 1000mg Capsule | 2000 | 60% (1200) | 140 | 82 |
| BioTechUSA HCA - 100 caps | 3000 | 60% (1800) | 210 | 120 |

| Woods Supplements <i>Garcinia Cambogia</i> 1000mg | 1000 | Not provided | i 68 | Not provided |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|-------|--------------|
| Paradise Herbs, Garcinia Extract, 500 mg, 60 Vegetarian Capsules | 1500 | 50% (750) | 100 | 51 |
| Inlife Garcinia 1600 MG Capsules - 120 Capsules | 4800 | >60% (>2880) | 330 | 200 |
| Himalaya, Organic Garcinia, 60 Caplets | 1200 | 66% (326) | 82 | 54 |
| Swanson <i>Garcinia Cambogia</i> 5:1 Extract, 80mg - 60 caps | 80 | Not provided | ł 5.5 | Not provided |
| Sotya Garcinia | 750 | 60% (450) | 51 | 31 |
| DR WAKDE'S Garcinia Fruit Powder - 100g (3.5oz) Pure, Raw & Dried Powder Ayurvedic Herb Vegan Nothing Added, Nothing Removed Same Day Dispatch | 10,000** | Not provided | i 680 | Not provided |

Garcinia Cambogia 1500mg | 120 Vegan Capsules | High Strength 20:1 Whole Fruit Powder

| Premium Quality Supplement | by 1500

Not provided 100

Not provided

Black Swan

Horbaach

Hydroxycitric Acid Capsules - 500mg

HCA Garcinia

Cambogia

Enhanced Mood

Weight Not provided**

Management

Metabolic Support

Natural Food

Supplement - 30

Capsules 1 Month

Supply

Percentage

content not

provided**

(1000)

Not provided 68

* Maximum serving assumes the maximum amount recommended on the packaging or website of the supplement. E.g. if recommended to take 1-2 capsules per day, this table assumes 2 capsules would be taken. Another example is if the website suggests a serving of 2 capsules a day, but the packaging suggests 3, then the highest suggestion has been used.

**An assumption has been made regarding the value, see Table 1 (Appendix A of TOX/2025/41) for more details.

Table 9 - Exposure estimates for toddlers from multi-ingredient G. cambogia dietary supplements, as sold in UK online retailers at the time of the assessment.

| Supplement name | G. cambogia concentration in a daily serving (maximum serving size*) (mg) | HCA content % (mg in maximum daily serving*) | Exposure to G. cambogia (maximum daily serving*) (mg/ kg bw/day) | - |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------|--------------|
| Swiss Bioenergetics Garcinia cambogia | 3000 | Not provided | 210 | Not provided |
| Nutralie <i>Garcinia</i> cambogia complex fat burner | 2000 | 60% (1200) | 140 | 82 |
| Holland & Barrett Garcinia Cambogia & Green Coffee Bean 100 Capsules | 600 | Not provided | 41 | Not provided |
| HERBASENSE Garcinia Cambogia Plus Jar - 60% HCA by HPLC + Green Coffee Bean + Green Tea Extracts | 4500 | 60% (2700) | 310 | 180 |
| Sensilab Essentials <i>Garcinia Cambogia</i> 1,800mg High Dose - Vegan, 90 Capsules | 1800 | 60% (1080) | 120 | 74 |

| Sensilab Garcinia Slim | 417 | 60% (250) | 29 | 17 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|-----|--------------|
| GARCINIA ULTRA BLEND (with Acai & Green Tea) 60 Vegetarian Capsules | 200 | 55% (110) | 14 | 7.5 |
| Garcinia Cambogia - 90 Capsules - 1500mg Daily Dosage - Premium Quality Supplement - UK formulated - Vegetarian & Vegan Suitable - Optimum Strength For Maximum Results - Garcinia Clean For Men & Women | 1500 | No provided | 100 | Not provided |
| Apple Cider Vinegar with Cayenne Pepper, Turmeric & Ginger Root + Garcinia Cambogia with Calcium, Potassium, Chromium, etc UK Formulated Food Supplements Capsules - Both Vegan & Vegetarian Suitable | 4500** | 15% (675)** | 310 | 46 |

| Prowise Healthcare Essentials <i>Garcinia</i> <i>Cambogia</i> High Dose - Vegan, 180 Capsules | 2000 | Not provided | 140 | Not provided |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-----|--------------|
| Troo Health Care Garcinia Cambogia Complex Supplement - 90 Capsules UK Manufactured | 1500 | Not provided | 100 | Not provided |
| Garcinia Cambogia 1500mg Daily Dosage -with Added Chromium Picolinate for Rapid Absorption - 30 Day Supply of The Super Strength Whole Fruit - Manufactured in The UK | 1500 | Not provided | 100 | Not provided |

^{*} Maximum serving assumes the maximum amount recommended on the packaging or website of the supplement. E.g. if recommended to take 1-2 capsules per day, this table assumes 2 capsules would be taken. Another example is if the website suggests a serving of 2 capsules a day, but the packaging suggests 3, then the highest suggestion has been used.

Uncertainties in the exposure assessment

190. It should be highlighted that the UK market analysis of *G. cambogia* dietary supplements was performed in brief and as such, may not include all products that are available online. Thus, products with higher dosage

^{**}An assumption has been made regarding the value, see Table 1 (Appendix A of TOX/2025/41) for more details.

recommendations and resulting in higher estimated exposures may exist on the UK market.

- 191. Some assumptions have been made where dosage recommendations are varied. In cases where the dosage is given as a range (e.g. 1-3 capsules per day), the highest possible amount has been assumed to be consumed (e.g. 3 capsules per day). Also, where there is a discrepancy between the packaging image and website instructions, the highest dosage has been assumed e.g. if the website suggests a serving of 2 capsules a day, but the packaging suggests 3, then the value of 3 has been used.
- 192. Some assumptions have been made where G. cambogia or HCA content has not been explicitly stated. E.g. for pure G. cambogia it is assumed that 5g-10g of the powder is equal to 5000-10,000 mg of G. cambogia (1g = 1000mg). I.e. it is assumed that no other ingredient(s) are present.
- 193. As stated in paragraph 187, most supplements in the market analysis, provided warnings on the website/ packaging recommending that that the product is only suitable for adults. However, exposures for other age groups could not be completely excluded. Toddlers have been selected as the age group for worst case exposure estimates, which are expressed on a per kg bodyweight basis. This is expected to be a conservative assessment and likely to be protective of other age groups under the age of 18 due to the average bodyweight of toddlers being lower than older children.
- 194. Infants have not been included in the assessment as it is assumed that supplements intended for weight loss and provided as small capsules or powders that could cause a choking hazard would not be used for infants.