

# Australian IPA

---

- Gravity **15.6 BLG**
- ABV ---
- IBU **35**
- SRM **11.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **26.6 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.4 liter(s)**
- Total mash volume **27.2 liter(s)**

## Steps

- Temp **68 C**, Time **65 min**
- Temp **75 C**, Time **15 min**

## Mash step by step

- Heat up **20.4 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **65 min** at **68C**
- Keep mash **15 min** at **75C**
- Sparge using **13 liter(s)** of **76C** water or to achieve **26.6 liter(s)** of wort

## Fermentables

| Type    | Name               | Amount        | Yield | EBC |
|---------|--------------------|---------------|-------|-----|
| Grain   | Pale Ale           | 5 kg (68.5%)  | 80 %  | 4   |
| Grain   | Karmelowy Czerwony | 1 kg (13.7%)  | 75 %  | 59  |
| Grain   | Monachijski        | 0.8 kg (11%)  | 80 %  | 16  |
| Adjunct | płatki żytnie      | 0.5 kg (6.8%) | 1 %   | 5   |

## Hops

| Use for | Name             | Amount | Time   | Alpha acid |
|---------|------------------|--------|--------|------------|
| Boil    | summer           | 30 g   | 25 min | 6.4 %      |
| Boil    | summer           | 30 g   | 20 min | 6.4 %      |
| Boil    | summer           | 20 g   | 10 min | 6.4 %      |
| Boil    | Vic Secret (AUS) | 20 g   | 5 min  | 16 %       |
| Boil    | Galaxy           | 0 g    | 20 min | 15 %       |

## Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale  | Dry  | 11.5 g | ---        |

## Extras

| Type   | Name                                  | Amount | Use for | Time  |
|--------|---------------------------------------|--------|---------|-------|
| Flavor | suszona skórka<br>słodkiej pomarańczy | 20 g   | Boil    | 5 min |