

# Australian IPA - Topaz

- Gravity **15.2 BLG**
- ABV ---
- IBU **25**
- SRM **4.8**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **4 %**
- Size with trub loss **13 liter(s)**
- Boil time **70 min**
- Evaporation rate **20 %/h**
- Boil size **16.4 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.6 liter(s) / kg**
- Mash size **11.9 liter(s)**
- Total mash volume **15.2 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **11.9 liter(s)** of strike water to **70.1C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **76C**
- Sparge using **7.8 liter(s)** of **76C** water or to achieve **16.4 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (60.6%)	80 %	4
Grain	Pszeniczny	0.5 kg (15.2%)	85 %	4
Grain	Wheat, Flaked	0.5 kg (15.2%)	77 %	4
Grain	Cara Blonde - Castle Malting	0.25 kg (7.6%)	78 %	20
Grain	Zakwaszający	0.05 kg (1.5%)	80 %	30

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Ella (AUS)	10 g	15 min	14.6 %
Boil	Topaz	10 g	15 min	15 %
Aroma (end of boil)	Ella (AUS)	10 g	0 min	14.6 %
Aroma (end of boil)	Topaz	10 g	0 min	15 %
Dry Hop	Topaz	80 g	5 day(s)	15 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	100 ml	---

## Extras

Type	Name	Amount	Use for	Time
Water Agent	gips piwowarski	2 g	Boil	60 min
Other	Witamina C	2 g	Bottling	---