

# American IPA 15blg

- Gravity **15.3 BLG**
- ABV ---
- IBU **59**
- SRM **6.8**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **10 %**
- Size with trub loss **26.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **37.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **23.4 liter(s)**
- Total mash volume **30.1 liter(s)**

## Steps

- Temp **51 C**, Time **10 min**
- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **23.4 liter(s)** of strike water to **55.4C**
- Add grains
- Keep mash **10 min** at **51C**
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **21 liter(s)** of **76C** water or to achieve **37.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (74.6%)	80 %	4
Grain	Strzegom pszeniczny	1 kg (14.9%)	81 %	6
Grain	Strzegom Karmel 150	0.1 kg (1.5%)	75 %	150
Grain	Strzegom Wiedeński	0.5 kg (7.5%)	79 %	10
Grain	Strzegom Monachijski typ I	0.1 kg (1.5%)	79 %	16

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	10 %
Boil	Simcoe	20 g	30 min	13 %
Boil	Cascade	15 g	15 min	6 %
Aroma (end of boil)	Citra	30 g	5 min	13 %
Dry Hop	Citra	30 g	4 day(s)	12 %
Dry Hop	Amarillo	30 g	4 day(s)	9.5 %
Aroma (end of boil)	Cascade	15 g	5 min	6 %

Boil	Simcoe	10 g	10 min	13 %
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## Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	30 ml	Fermentum Mobile