

# IPA Mata

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- Gravity **14.7 BLG**
- ABV ---
- IBU **66**
- SRM **6.5**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **24 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.6 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

## Steps

- Temp **66 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **90 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **17.6 liter(s)** of **76C** water or to achieve **28.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg (90.9%)	79 %	6
Grain	Cara Blonde - Castle Malting	0.5 kg (9.1%)	78 %	20

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	60 min	12.5 %
Boil	Columbus/Tomahawk/Zeus	21 g	30 min	12.5 %
Boil	Summit	15 g	20 min	15.8 %
Boil	Summit	15 g	15 min	15.8 %
Boil	Amarillo	20 g	10 min	8.9 %
Boil	Amarillo	14 g	5 min	8.9 %
Dry Hop	Citra	50 g	7 day(s)	13.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-05	Ale	Dry	10 g	Safale