

## Hazy IPA #3

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **37**
- SRM **4.3**
- Style **White IPA**

### Batch size

- Expected quantity of finished beer **27 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **34.2 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

### Steps

- Temp **50 C**, Time **10 min**
- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **2 min**

### Mash step by step

- Heat up **22.5 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **10 min** at **50C**
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **19.2 liter(s)** of **76C** water or to achieve **34.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (66.7%)	80 %	5
Grain	Pszeniczny	2 kg (26.7%)	83 %	4.2
Grain	Płatki pszeniczne	0.5 kg (6.7%)	60 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	30 g	30 min	7.8 %
Aroma (end of boil)	Mandarina Bavaria	30 g	10 min	9.1 %
Dry Hop	Citra	50 g	3 day(s)	13.4 %
Aroma (end of boil)	Citra	50 g	8 min	13.4 %
Dry Hop	Cascade	70 g	3 day(s)	7.8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Fermentis