

## Citrokez #8

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- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **58**
- SRM **4**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **40 min**
- Evaporation rate **10 %/h**
- Boil size **27.4 liter(s)**

### Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

### Steps

- Temp **68 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **10 min**

### Mash step by step

- Heat up **16.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **50 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **16.4 liter(s)** of **76C** water or to achieve **27.4 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	3 kg (54.5%)	82 %	4
Grain	Słód pszeniczny Bestmalz	1.2 kg (21.8%)	82 %	5
Grain	Chit Malt Bestmaltz	0.5 kg (9.1%)	50 %	2
Grain	Płatki żytnie	0.3 kg (5.5%)	60 %	3
Grain	Płatki owsiane	0.3 kg (5.5%)	60 %	3
Grain	Karmelowy Jasny 30EBC	0.2 kg (3.6%)	75 %	30

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	25 g	25 min	11.4 %
Boil	Simcoe	25 g	20 min	14.4 %
Boil	Mosaic	25 g	10 min	12.2 %
Aroma (end of boil)	Mosaic	50 g	2 min	10 %
Aroma (end of boil)	Chinook	25 g	2 min	12.1 %
Aroma (end of boil)	Simcoe	25 g	2 min	14.4 %
Dry Hop	Mosaic	25 g	4 day(s)	12.2 %

Dry Hop	Talus	25 g	4 day(s)	8.2 %
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### Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	500 ml	Fermentis

### Extras

Type	Name	Amount	Use for	Time
Fining	Wirflok	12 g	Boil	10 min
Water Agent	Chlorek wapnia	2 g	Mash	80 min
Water Agent	Gips piwowarski	2 g	Mash	90 min