

# imperium

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **38**
- SRM **9.2**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **33 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **39.6 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **23.6 liter(s)** of **76C** water or to achieve **39.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Monachijski	7 kg (87.5%)	80 %	16
Grain	Melanoiden Malt	1 kg (12.5%)	80 %	39

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	20 g	60 min	13.2 %
Aroma (end of boil)	Simcoe	20 g	15 min	13.2 %
Aroma (end of boil)	Simcoe	20 g	5 min	13.2 %
Dry Hop	Simcoe	40 g	7 day(s)	13.2 %
Aroma (end of boil)	Amarillo	15 g	15 min	9.5 %
Aroma (end of boil)	Amarillo	15 g	5 min	9.5 %
Dry Hop	Amarillo	30 g	7 day(s)	9.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - Irish Ale	Ale	Liquid	125 ml	Wyeast Labs