

American IPA "Ameryka też się sypie..."

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **65**
- SRM **4.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.6 liter(s)**
- Total mash volume **29 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **22.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **15 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **12.9 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (62%)	80 %	5
Grain	Weyermann - Carapils	1 kg (15.5%)	78 %	4
Grain	Pszeniczny	0.5 kg (7.8%)	85 %	4
Grain	Strzegom Wiedeński	0.5 kg (7.8%)	79 %	10
Grain	Monachijski	0.25 kg (3.9%)	80 %	16
Grain	Płatki owsiane	0.2 kg (3.1%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	60 min	12 %
Aroma (end of boil)	Citra	30 g	5 min	12 %
Aroma (end of boil)	Citra	25 g	5 min	12 %
Whirlpool	Citra	25 g	15 min	12 %
Whirlpool	Simcoe	50 g	15 min	13.2 %
Whirlpool	Mosaic	50 g	15 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis