

# Grom z raju (AIPA) za 2zł

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **51**
- SRM **7.1**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **13.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **13.5 liter(s)**

## Steps

- Temp **77 C**, Time **10 min**
- Temp **67 C**, Time **60 min**

## Mash step by step

- Heat up **10.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **77C**
- Sparge using **6.3 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (66.7%)	80 %	6
Grain	Strzegom Monachijski typ II	1 kg (33.3%)	79 %	21

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	60 min	12 %
Aroma (end of boil)	Citra	10 g	0 min	12 %
Aroma (end of boil)	Simcoe	10 g	3 min	13.2 %
Dry Hop	Simcoe	20 g	5 day(s)	13.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	150 ml	Fermentis

## Notes

- Pale Ale - 11zł
- Monachijski II - 6zł
- Citra i Simcoe 2017 (po 30g) - 12zł
- Drożdże US-05 - 10zł
- Kapsle - 1 zł

SUMA: 40zł  
ILOŚĆ BUTELEK: ~20  
Cena za butelkę: ~2zł  
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