

# FreePA

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- Gravity **7.3 BLG**
- ABV **2.8 %**
- IBU **25**
- SRM **2.4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **2000 liter(s)**
- Trub loss **2 %**
- Size with trub loss **2040 liter(s)**
- Boil time **60 min**
- Evaporation rate **2 %/h**
- Boil size **2182.8 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **750 liter(s)**
- Total mash volume **1000 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	200 kg (80%)	80 %	4
Grain	Weyermann - Carapils	25 kg (10%)	78 %	4
Grain	Strzegom pszeniczny	25 kg (10%)	81 %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	0 g	60 min	13 %
Boil	triumph	2500 g	5 min	10 %
Boil	Idaho 7	2500 g	5 min	13 %
Whirlpool	triumph	2500 g	5 min	10 %
Whirlpool	Idaho 7	2500 g	5 min	13 %

## Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Dry	11.5 g	---