

## No. 1

- Gravity **20.9 BLG**
- ABV ---
- IBU **66**
- SRM **14.7**
- Style **American Amber Ale**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **10 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.2 liter(s)**
- Total mash volume **17.6 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **75 C**, Time **35 min**

### Mash step by step

- Heat up **13.2 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **35 min** at **75C**
- Sparge using **6.4 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

### Fermentables

| Type  | Name                    | Amount        | Yield | EBC |
|-------|-------------------------|---------------|-------|-----|
| Grain | Pilzneński              | 3.3 kg (75%)  | 85 %  | 4   |
| Grain | karmelowy jasny Litovel | 0.3 kg (6.8%) | 80 %  | 95  |
| Grain | Monachijski Litovel     | 0.4 kg (9.1%) | 80 %  | 18  |
| Grain | Caraamber Weyermann     | 0.4 kg (9.1%) | 80 %  | 60  |

### Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Chinook | 15 g   | 45 min | 13 %       |
| Boil    | Chinook | 20 g   | 30 min | 13 %       |
| Boil    | Chinook | 15 g   | 15 min | 13 %       |

### Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-05 | Ale  | Dry  | 11.5 g | Safale     |

### Notes

- Cały czas podgrzewane i mieszane ( temperatura 68 \* uznana jako średnia) - jak dodałem słody to spadła do 63\* później rosła do 72 ( czasem wyłączałem palnik).  
14 dni burzliwa

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

10 dni cicha.  
1 miesiąc w butelce  
80g cukru przed rozlaniem do butelek ( czyli bardzo mało - lęk przed wybuchem )  
*Dec 28, 2015, 10:51 AM*