

jasna APA

- Gravity **12 BLG**
- ABV ---
- IBU **97**
- SRM **4.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **34.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|------------|-------|-----|
| Grain | Strzegom Pale Ale | 3 kg (50%) | 79 % | 6 |
| Grain | Strzegom Pilzneński | 3 kg (50%) | 80 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|----------|------------|
| Boil | zeus | 20 g | 55 min | 15.1 % |
| Boil | Amarillo | 20 g | 30 min | 8.9 % |
| Boil | Citra | 20 g | 30 min | 13.5 % |
| Aroma (end of boil) | Amarillo | 20 g | 55 min | 8.9 % |
| Aroma (end of boil) | Citra | 20 g | 55 min | 13.5 % |
| Dry Hop | Amarillo | 40 g | 4 day(s) | 8.9 % |
| Dry Hop | Citra | 40 g | 4 day(s) | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale | Dry | 10 g | --- |