

XD

- Gravity **25.9 BLG**
- ABV **12.2 %**
- IBU **69**
- SRM **10.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.6 liter(s) / kg**
- Mash size **33.8 liter(s)**
- Total mash volume **46.8 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|--------------|-------|-----|
| Grain | Strzegom Wiedeński | 9 kg (69.2%) | 79 % | 10 |
| Grain | Monachijski | 2 kg (15.4%) | 80 % | 16 |
| Grain | Viking Pale Ale malt | 2 kg (15.4%) | 80 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|-----------|------------|
| Boil | Magnum | 25 g | 60 min | 13.5 % |
| Aroma (end of boil) | Centennial | 25 g | 15 min | 10.5 % |
| Aroma (end of boil) | El Dorado | 25 g | 15 min | 12.4 % |
| Aroma (end of boil) | Columbus/Tomahawk/Zeus | 25 g | 15 min | 16.6 % |
| Aroma (end of boil) | Centennial | 25 g | 10 min | 10.5 % |
| Aroma (end of boil) | El Dorado | 25 g | 10 min | 12.4 % |
| Aroma (end of boil) | Columbus/Tomahawk/Zeus | 25 g | 10 min | 16.6 % |
| Whirlpool | Centennial | 25 g | 5 min | 10.5 % |
| Whirlpool | El Dorado | 25 g | 5 min | 12.4 % |
| Whirlpool | Columbus/Tomahawk/Zeus | 25 g | 5 min | 16.6 % |
| Whirlpool | Centennial | 25 g | 0 min | 10.5 % |
| Whirlpool | El Dorado | 25 g | 0 min | 12.4 % |
| Whirlpool | Columbus/Tomahawk/Zeus | 25 g | 0 min | 16.6 % |
| Dry Hop | Mosaic | 25 g | 14 day(s) | 10 % |
| Dry Hop | lunga | 25 g | 14 day(s) | 11.5 % |
| Dry Hop | Mosaic | 25 g | 7 day(s) | 10 % |
| Dry Hop | lunga | 25 g | 7 day(s) | 11 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|----------------------------|-----|-------|--------|---------|
| Gozdawa - Pure Ale Yeast 7 | Ale | Slant | 300 ml | Gozdawa |
| Gozdawa - US West Coast | Ale | Dry | 10 g | Gozdawa |